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CERAMIC ABSTRACTS

compiled by the

American Ceramic Society

NOVEMBER-DECEMBER 1981

CEAUAA, Vol. 60, No. 11-12, pp. 253-374

CERAMIC ABSTRACTS

compiled by
The American Ceramic Society

ISSN 0095-9960
Volume 60
Number 11-12
November-December
1981



ABSTRACT SECTIONS

Author Index	253
Subject Index	318

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Editorial and Subscription Offices: 65 Ceramic Drive, Columbus, Ohio 43214. Subscription \$140 a year (includes *Ceramic Bulletin* and *Journal of the American Ceramic Society with Communications*). Postage outside United States, \$5 additional. Single copies \$4 (November-December \$5) plus postage. Published bimonthly six times a year. Printed in the United States of America. Second-class postage paid at Columbus, Ohio. Allow six weeks for address changes. Missing copies will be replaced only if valid claims are received within six months from date of mailing. Replacements will not be allowed if the subscriber fails to notify the Society of a change of address.

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Vols. 1-53 (1922-1974) of *Ceramic Abstracts* were published
with the *Journal of the American Ceramic Society*

CERAMIC ABSTRACTS

November-December, 1981

Compiled by the American Ceramic Society

AUTHOR INDEX FOR 1981

The abstract number appears at the end of each citation. The letters A, B, or P following the abstract number indicate an abstract of (A) a periodical, (B) a book, bulletin, or separate publication, or (P) a patent. Abstracts are numbered continuously through an entire volume. Author names are given in inverted style (last name firsts). Coauthor names are separated by semicolons. For papers with 3 or more authors, only the first 3 names are printed in the index.

- Aadland, John D.; and Risbud, Subhash H.
Devitrified phases in a heat-treated 92% SiO₂-8% Al₂O₃ glass. 60-03471A
- Abadie, C.
Mortar-free internal walls of bricks. 60-02484A
- Abadir, M. F. See Eisa, M. A.
- Abbakumov, V. G.; Glazman, M. S.; and Ivanov, V. A.
Firing corundum plates for gate valves in a small tunnel furnace. 60-00419A
- Abbas, A. F. See El-Batal, H. A.
- Abdel-Kerim, F. M. See Ibrahim, D. M.
- Abdrashitova, E. I.
Structural position of titanium in silicate glasses. 60-01171A;
See also Artamonova, M. V.; Khodakovskaya, R. Ya.
- Abdrashitova, E. I.; Artamonova, H. V.; and Makedontseva, O. S.
EPR study of aluminophosphate glasses containing Cu and Cd additives. 60-04712A
- Abdrashitova, E. I.; Artamonova, M. V.; and Makedontseva, O. S.
EPR study of cadmium silicate and phosphate glasses. 60-00137A
- Abdrashitova, E. I.; and Khodakovskaya, R. Ya.
Paramagnetic resonance of Sn in the matrix of Li aluminosilicate glasses. 60-03633A
- Abdul-Maula, S. See Odler, Ivan
- Abdusalyamova, M. N.; and Abulkhaev, V. D.
Thermal expansion of antimonides of rare earth elements of M₂Sb composition. 60-02007A
- Abe, Katsuo; Taguchi, Noriyuki; and Sugishita, Nobuyuki
Dielectric paste for thick film capacitor. 60-00540P
- Abe, Kazunobu; Tamura, Shoichi; and Matsuda, Tosiaki
Method of continuously extruding and molding ceramic honeycomb shaped moldings and die for use in the continuous extruding operation thereof. 60-04137P
- Abe, Masanori; Gomi, Manabu; and Nomura, Shoichiro
Faraday rotation and birefringence of Fe₂BO₃. 60-03083A
- Abe, Masanori; Kobayashi, Kenichi; and Gomi, Manabu
X-ray and Mössbauer studies of Ba₂FeTa₂O₇ and Sr₂FeTa₂O₇. 60-03248A
- Abe, Yoshihiro See Suzuki, Suguru
- Abe, Yoshihiro; Kawashima, Koichi; and Suzuki, Suguru
Thermochromism in reduced phosphate glasses. 60-03704A
- Abe, Yoshihiro; and Suzuki, Suguru
Free volume of phosphate glasses. 60-01049A
- Abelitis, Andris
Method for the production of cement clinker low in sulfur. 60-00942P
- Aberg, Ulf I. See Brelén, Hans E. O.; Cederqvist, Gunnar N.; Soederqvist, Gunnar M. T.
- Abd-El-Enein, S. A. See Hanafi, Said; Ibrahim, D. M.
- Abollins, Visvaldis
Glass reinforcements and fire retardant glass-resin composites thereof. 60-01807P
- Abou-el-leil, Mahmoud; and Cooper, A. R.
Mixed-mode crack-growth and fracture model for field-assisted ion-exchanged glass. 60-02314A
- Abou-el-leil, Mahmoud; Heasley, J.; and Omar, M. H.
Mixed isotope effect in lithium borate glasses. 60-03610A
- Abou-Saif, E. A.; Mohamed, A. A.; and Al-Adi, E. I.
Electron microscopic and infrared studies of Egyptian clay minerals. 60-05611A
- Abou Sekkina, M. M.; Ibrahim, E. M. H.; and Hanna, S. B.
Effect of ionizing radiation on the spectral properties of the different stabilized zirconia refractories. 60-03885A
- Abraham, Lidia See Neagu, Rodica
- Abraham, M. M. See Orera, V. M.; Rappaz, M.
- Abramkina, V. G. See Kurbatova, I. I.
- Abramov, B. G. See Vatutin, A. D.
- Abramov, V. V.; Chesnokova, S. M.; and Svislunova, G. P.
Rapid determination of silicon dioxide in glass. 60-04842A
- Abrams, M. S.
Behavior of inorganic materials in fire. 60-02936A
- Abriel, W.; Rau, F.; and Range, K. J.
High pressure synthesis of K₂V(VO₄), a new compound with glaserite type structure. 60-01906A
- Abrikosov, N. Kh.; and Bankina, V. F.
Changes in thermal conductivity during phase transformations in semiconductor solid solutions. 60-04281A
- Abulkhaev, V. D. See Abdusalyamova, M. N.
- Abushagur, Mustafa A. G.; and George, Nicholas
Measurement of optical fiber diameter using the fast Fourier transform. 60-00208A
- Abys, J. A.; Barnes, D. M.; and Feller, S. A.
Preparation of "O"-labeled glasses and glass precursors. 60-01133A
- Abzgil'din, F. Yu. See Bairashev, R. R.
- Adjemian, Alain See Cohen, Joseph
- Adler, D.; Shur, M. S.; and Silver, M.
Threshold switching in chalcogenide-glass thin films. 60-02347A
- Adler, David
Electronic structure of amorphous semiconductors. 60-01531A
- Adlerborn, Jan; Larker, Hans; and Nilsson, Jan
Method for manufacturing an object of silicon nitride. 60-04136P
- Adlerstein, Larry
To the home of Grolleg [Cornwall, England]. 60-00900A
- Adihart, W.; Frey, Friedrich; and Jagodzinski, H.
X-ray and neutron investigations of the PI-II transition in anorthite with low albite content. 60-05739A; X-ray and neutron investigations of the PI-II transition in pure anorthite. 60-05740A
- Agarwal, Dwarka P. See Mohammed, M. Hamdi A.
- Agosti, Geraldo
Frits, glazes, enamels, and colors. 60-04614A
- Agrawal, Dinesh; and Hummel, Floyd A.
Systems Y₂O₃-P₂O₅ and Gd₂O₃-P₂O₅. 60-03222A
- Agrawal, G. N. See Rai, H. L.
- Agrawal, S. C. See Shanker, Jai
- Agullo-Lopez, F.; and Townsend, P. D.
Temperature dependence of the F-coloring efficiency in KCl. 60-01995A
- Ahearn, J. S. See Westwood, A. R. C.
- Ahlberg, Lloyd A. See Tittmann, Bernhard R.
- Ahlqvist, P. See Curelaru, I. M.
- Ahlsen, Ulf; and Montin, Stefan
Methods for determining the degree of compaction in fresh concrete. 60-00921A
- Ahmed, A. A.; El-Shamy, T. M.; and Sharaf, N. A.
States of sulfur in alkali borate glasses—correction. 60-03676A
- Ahmed, A. E. See Davies, S. R.
- Ahmed, Ahmed A. See El-Batal, H. A.
- Ahmed, Ahmed A.; El-Batal, H. A.; and Ghoneim, N. A.
Leaching of some lithium silicate glasses and glass-ceramics by HCl. 60-01078A
- Ahmed, S. See Babulnam, S. M.
- Ahmed, W. U.; and Nelson, J. A.
High-quality surface finishes. 60-03301A
- Ahn, Young-Pil; Oh, Bong-In; and Choi, Long
Optimization of nucleation and crystal growth in diopside-devitrite system. 60-01120A
- Ahrens, Robert R. See Marcus, Leon
- Ahtee, M.; and Darlington, C. N. W.
Structures of NaTaO₃ by neutron powder diffraction. 60-04435A
- Aichert, Hans; Hoffmann, Otto-Horst; and Stark, Friedrich
Heating system for vacuum coating apparatus. 60-00549P
- Aichhorn, Anton See Helletsberger, Harald
- Aignesberger, Alois; Lukas, Walter; and Weinberg, Ekkehard
Inorganic fibers. 60-05164P
- Aiken, Carol A. See Brill, Robert H.
- Ainscough, J. B.; Rigby, F.; and Morrow, S. A.
Effect of oxygen potential on the thermal creep of niobia-doped UO₂. 60-04108A
- Aio, L. G.; Arefev, V. A.; and Kokorina, V. F.
Influence of the cooling rate of oxygen-free chalcogenide glasses in the critical annealing region on the optical constants. 60-03558A
- Aitken, J. M.
Radiation-induced trapping centers in thin silicon dioxide films. 60-01962A
- Akaba, Noriyuki See Takagi, Mieko
- Akagi, Saburo See Ishikawa, T.
- Akso, Yasso See Taki, Kazunari
- Akhmedov, A. M. See Bakhyshov, A. E.
- Akhmetov, S. F.; Akhmetova, G. I.; and Kovalevskaya, V. S.
Thermal decomposition of rare earth-aluminum borates. 60-02005A
- Akhmetova, G. I. See Akhmetov, S. F.
- Akhmetova, V. E.; Gagai, G. I.; and Ryabova, L. I.
Effect of Zn compounds on the hydration hardening of mineral binders. 60-03351A
- Akimoto, Hisao See Iida, Yoshihiro
- Akimoto, Syun-Iti See Striefler, M. E.
- Akimoto, Syun-Iti See Sato, Yosiko
- Akimov, V. G.; Timashev, V. V.; and Prostakov, A. V.
Determining the modifications of alite in portland cement clinker. 60-00021A
- Akinc, Mufit See Hulbert, Clarence E., Jr.
- Akinc, Mufit; and Fan, Liang-Tsung
Cement as admixture to fly ash concrete. 60-03341A
- Akshisev, A. Kh. See Babin, P. N.
- Akiyama, Masahide See Oishi, Yasumichi
- Aksel'rud, L. G. See Yarmolyuk, Yu. P.
- Aksenovich, L. A.
Changes in the structure and properties of alkali-free Ti-rich glasses during heat treatment. 60-04679A; See also Bobkova, N. M.
- Al-Adi, E. I. See Abou-Saif, E. A.
- Alfandi, Hamid; and Stamires, Dennis
Ammoniated silica-alumina gel and catalyst containing it and processes for producing it. 60-02979P; Crystalline aluminosilicate-silica-alumina gel catalysts and processes for producing them. 60-02994P; Crystallized silica-alumina cogel and catalyst employing it. 60-01804P; 60-01805A

- Alain, Pierre** See Piriou, Bernard
- Albert, O.**
Operating experience with a new multicomponent recirculating air separator. 60-02164A
- Aldred, A. T.**
Magnetic susceptibility of sodium disilicate glasses containing PuO_2 . 60-01086A
- Aldridge, L. P.** See MacKenzie, K. J. D.
- Alekhn, A. M.** See Kondin, V. F.
- Aleksandrov, V. I.; Borik, M. A.; and Dechev, G. Kh.**
Synthesis and study of glasses in the system $\text{La}_2\text{O}_3\text{-Al}_2\text{O}_3\text{-SiO}_2$. 60-01181A
- Alekseenko, L. S.; Orekhova, G. P.; and Poinitskaya, N. K.**
Electrical conductivity of ZrO_2 in relation to various factors. 60-05273A
- Alekseenko, L. S.; Tolstaya, V. Ya.; and Gudilina, A. I.**
Ceramic crucibles for determining the S and C contents of cast iron and steel. 60-00399A
- Alekseev, N. E.; Gromov, A. K.; and Izyneev, A. A.**
Spectral-generation studies of metaphosphate glasses with a high content of Nd^{3+} ions. 60-04870A
- Alekseva, I. P.; Belyanskaya, N. M.; and Bobovich, Ya. S.**
Raman spectral data for studying the devitrification of Ti-containing glasses of the Li aluminosilicate systems. 60-0351A
- Aleksevskii, V. P.; Borimchuk, N. I.; and Bochkov, A. V.**
Some characteristic features of the production of the diamond modifications of carbon by shock compression. 60-01787A
- Aleksenko, A. E.** See Pashchenko, A. A.
- Alexander, Peter**
Enhanced computation for industrial R&D. 60-03503A
- Alfano, G.**
Recovery of glass from urban wastes by mineralurgical processes. 60-00258A
- Alford, N. McN.; and Poole, A. B.**
Effect of shape and surface texture on the fracture toughness of mortars. 60-0335A
- Al-Hashimi, K.** See Kelsey, Peter
- Ali, Mohammad Mujtaba** See Singh, Vipin Kant
- Alieri, Rodiero**
Mold for molding hollow brick by means of a press. 60-05042P
- Alinec, B.; and Lepoutre, P.**
Porosity and optical properties of clay coatings. 60-01485A
- Aliprandi, Giovanni** (Editor)
Refractories and Technical Ceramics: I, Elements of Ceramic Science and Technology (Materiaux Refractaires et Ceramiques Techniques: I, Elements de Ceramurgie et de Technologie). 60-03290B
- Aliyu, Danlami**
Nigerian pottery tradition and new technique. 60-03324A
- Ali-Zaidi, Syed R.**
Composition for coating glass containers. 60-02275P;
Method of coating glass containers and product. 60-00350P
- Alksnis, F.** See Klyavins, Z.
- Allazov, M. R.; Babueva, P. K.; and Rustamov, P. G.**
Phase diagram and some physical properties of phases in the system $\text{Ga}_2\text{Se}_3\text{-FeSe}$. 60-04382A
- Allen, Charles H.**
Energy survey in the glass industry. 60-02274A
- Allen, Jim E.; and Farris, Robert E.**
Method of repairing a refractory structure. 60-01441P
- Allen, Ronald L.; and Smith, Lester N.**
Energy savings in furnaces using ceramic fiber modules. 60-04610A
- Allenbaugh, Fred**
Practices in porcelain enamel plants that cause production difficulties and enameling defects. 60-04639A
- Alersma, Ties**
Strengthened translucent glass-ceramics and method of making. 60-00379P
- Alfiteri, Michel; Chatillon, Christian; and Jacob, Karl Thomas**
Mass-spectrometric and electrochemical studies of thermodynamic properties of liquid and solid phases in the system $\text{CaO-Al}_2\text{O}_3$. 60-04366A
- Allegro, Richard A.; and Stark, Ronald A.**
Refractory ramming mix containing aluminum powder for metal melting furnaces. 60-00475P
- Allison, Craig** See Mochel, Peggy
- Allison, Ralph E.**
Gunning apparatus for in-situ spraying of refractory material. 60-05163P
- Almeida, Rui M.; and Mackenzie, John D.**
Infrared absorption and structure of chlorophosphate glasses. 60-01062A
- Almond, Darryl P.; Callica, H.; and West, Anthony R.**
Ultrasonic study of sodium ion diffusion in polycrystalline β/β' alumina. 60-04461A
- Almond, E. A.; and Roebuck, B.**
Mechanical testing of cemented carbides. 60-01669A
- Al'takh, O. L.** See Sil'vestrovich, S. I.
- Altomose, V. O.; and Tong, S. S. C.**
Evaporation from binary glasses by high temperature mass spectrometry. 60-00158A
- Altenpohl, Dieter Gustav** (Editor)
Materials in World Perspective—Assessment of Resources, Technologies, and Trends for Key Materials Industries. [Materials Research and Engineering No. 1.] 60-03280B
- Alther, George R.**
Activation of clays by compaction. 60-01720P
- Altmann, Alexander**
Behavior of bubbles in vitreous silica melts. 60-04671A
- Alvarez-Estrada, D.** See Espinosa de los Monteros, J.
- Alves, R. B.** See Wickersheim, K. A.
- Alyamovskii, S. I.** See Ivanovskii, A. L.; Pavlov, I. E.; Zainulin, Yu. G.
- Amberg, Stephen W.; and Hadl, Clyde F.**
Article infed gate and control therefor. 60-03728P
- Ambler, E. P.** See Nichol, D.
- Ambrogio, Raymond R.**
Encapsulation in glass and glass-ceramic materials. 60-02384P; Press-forming glass articles having encapsulated material. 60-03802P
- Ambrosius, Erich** See Laux, Walter
- Amemiya, Ikuzo** See Goto, Hajime
- Amos, Charles R.** See Reynolds, Jack B.
- Amosov, A. V.**
Color centers in quartz glasses used in high-intensity light source shells. 60-00988A
- Amrhein, Alan G.; Hammel, Joseph J.; and Shelestak, Larry J.**
Method of melting flat glass using nitrates to suppress sulfurous emissions. 60-04975P
- An, Ok Ha** See Kovner, M. I.
- Anand, Joginder N.; Revak, Timothy T.; and Tsang, Floris Y.**
Helium-tight tubeshet for hollow fiber type battery cells and method of fabricating. 60-00550P
- Anan'eva, G. V.; Ivanov, A. O.; and Merkulyeva, T. I.**
Production and physical properties of perovskite-like aluminates of ytterbium and lutetium. 60-01959A
- Ananich, N. I.** See Sheinina, T. G.
- Ananin, V. P.** See Pokhodnya, I. K.
- Ananthapadmanabhan, K. P.** See Somasundaran, Ponisseril
- Anastasiyeva, N. A.; Bublik, V. T.; and Ovsenskii, V. B.**
Nature of defects in tin-doped gallium arsenide single crystals. 60-01930A
- Anastasyuk, N. V.; Oleinikov, N. N.; and Tretyakov, Yu. D.**
Synthesis of Co-doped Ni-Zn ferrites from solid solutions of Scheelite-type salts. 60-04045A
- Andeen, Carl G.** See Link, Joseph
- Anderson, Carl L.** See Kamath, G. Sanjiv
- Anderson, D. W.; Nelson, R. N.; and Kachhal, S. K.**
Minimizing energy costs in a glassmelting tank. 60-01099A
- Anderson, G. A.**
Surface cord—a case history. 60-02344A
- Anderson, Harlan U.** See Wuttig, Manfred
- Anderson, Leslie C.**
Dielectric glass coating composition containing polymethylmethacrylate fugitive binder. 60-04061P
- Anderson, O. L.** See Sato, Y.
- Anderson, R. E.**
Degradation of radiation hardness in CMOS integrated circuits passivated with plasma-deposited silicon nitride. 60-05361A
- Anderson, R. H.**
Development of kiln schedules by thermal resistance calculation. 60-05456A
- Anderson, Robert N.; and Parlee, Norman A. D.**
Actinide nitride-fueled reactor and continuous method of operating it. 60-01643P
- Anderson, Wayne M.** See Hang, Kenneth W.
- Andersons, U.; Sedmale, G.; and Cimdins, R.**
Heat-reflecting glass. 60-01246P
- Andersson, Clarence A.**
Structural silicon nitride materials containing rare earth oxides. 60-01837P
- Andersson, L. P.; Berg, S.; and Norstrom, H.**
Properties and coating rates of diamond-like carbon films produced by rf glow discharge of hydrocarbon gases. 60-01780A
- Ando, Hiroaki** See Susa, Nobuhiko
- Ando, Ken** See Oishi, Yasumichi
- Ando, Ken; Kurokawa, H.; and Oishi, Yasumichi**
Self-diffusion coefficient of oxygen in single-crystal forsterite. 60-03186A
- Ando, Kohshi** See Yamaguchi, Masafumi
- Ando, Teiichi** See Ochiai, Tsunemi
- Ando, Yoshinori; Inoue, Sakae; and Takahashi, Kiyotaka**
Process for preparing ultrafine carbide powder. 60-05493P
- Ando, Yoshinori; Ohkohchi, Masato; and Uyeda, Ryozi**
Preparation of ultrafine powder of SiC by a modified gas-evaporation method. 60-02969A
- Ando, Yoshinori; and Uyeda, Ryozi**
Preparation of ultrafine SiC particles by gas evaporation. 60-01776A
- Andonin, R.** See Mai, Y. W.
- Andrachnikova, A. P.** See Krokhina, A. G.
- Andreev, A. A.** See Seregin, P. P.
- Andreev, I. V.; Balashov, Yu. S.; and Mazurin, O. V.**
Study of the rheological properties of window glasses by a dynamic-mechanical method. 60-01176A
- Andreev, I. V.; Chernyshova, G. L.; and Ivanov, N. V.**
Internal friction in Si-rich glasses during transition to a viscous-flow state. 60-00191A
- Andreev, P. A.** See Makarova, S. F.
- Andreev, V. V.** See Korneev, V. I.
- Andreev, V. V.; Korneev, V. I.; and Sizyakov, V. M.**
Manufacture of high-alumina cement based on waste products in alumina production. 60-04548A
- Andreeva, L. P.** See Ivanov, N. A.
- Andreeva, N. A.** See Semin, E. G.
- Andreeva, N. G.; Pozhidaev, A. A.; and Kovalenko, V. V.**
Enamel slip. 60-04659P
- Andreeva, T. A.; Verebchik, N. M.; and Piryutko, V. G.**
Glass-ceramic material for preparing thermally stable capacitors. 60-01591P
- Andreeva, T. V.** See Samsonov, G. V.
- Andreevskaya, D. D.** See Kukolev, G. V.
- Andrejko, Matthew J.; and MacChesney, John B.**
Optical fiber fabrication process. 60-03793P
- Andres, Adolf**
Slide gate nozzle for ladles. 60-02571P
- Andrews, Charles W.** See Maier, Ralph D.
- Andrianov, E. G.** See Zaitsev, V. N.
- Anfilogov, V. N.** See Bobylev, I. B.
- Angelcu, N.** See Dragomir, C.
- Angell, C. A.** See Atake, T.; Barkatt, Aaron; Boehm, L.
- Angelova, T. G.; and Timashev, V. V.**
Effect of MgO , R_2O , SO_2 , MnO , and BaO during the production of cement clinker. 60-00023A
- Anger, Klaus; Frosien, Juergen; and Lischke, Burkhard**
Method and device for determining the focal length of a long focal length electron optical lens. 60-02866P
- Angress, J.** See Ball, G. J.
- Anisimov, V. A.; Kanunnikov, L. A.; and Kurtishovskaya, G. V.**
Thermo- and photoluminescence of quartz glass activated with Sm^{3+} . 60-01184A
- Anisimova, T. A.** See Yutina, A. S.
- Anisimova, T. I.** See Dem'yanov, V. V.
- Anjard, Ronald P., Sr.**
Paving brick—a brief history. 60-00388A
- Anokhin, V. Z.** See Fertsch, P.
- Anseu, M. R.** See Leblud, C.
- Anseu, M. R.; Cambier, F.; and Leblud, C.**
Ceramic solid state reaction kinetics using results obtained on the $\text{ZnO-Al}_2\text{O}_3$ system. 60-04280A
- Ansell, Martin P.** See Stewart, Clive E. E.
- Anstie, Paul D.** See Beaumont, Peter W. R.
- Anstis, G. R.** See Chantikul, P.
- Anstis, G. R.; Chantikul, P.; and Lawn, Brian R.**
Critical evaluation of indentation techniques for measuring fracture toughness: I, Direct crack measurements. 60-05579A
- Anthony, R. G.; and McCartney, E. R.**
Hydrothermal reactions in the systems $\text{CaCO}_3\text{-SiO}_2$ and $\text{MgCO}_3\text{-SiO}_2$. 60-03102A
- Anthony, Robert J.** See Flegel, Vernon
- Anthony, Thomas R.** See Erikson, Carl A.
- Antimirova, L. K.** See Atmanskii, A. I.
- Antimov, A. F.** See Nazarov, A. S.
- Antipov, V. S.** See Adamov, I. Yu.
- Anton, Octavian; Gosseye, Alain; and Poncelet, Georges**
Colored composite material of the asbestos-cement or similar type and its manufacture. 60-02202P
- Antonoli, G.; Bianchi, D.; and Franzosi, P.**
Photoluminescent properties of heteroepitaxial $\text{Cd}_{1-x}\text{Zn}_x\text{S}$ single-crystal layers. 60-02684A
- Antonov, G. I.** See Kamenetskii, Yu. L.
- Antonov, G. I.; Golovko, Zh. A.; and Nedosvitil, V. P.**
Improving the quality of periclase-chromite refractories. 60-01361A
- Antonov, G. I.; Kamenetskii, Yu. L.; and Frenkel, A. S.**
Service of refractories in the arch of an open-hearth furnace. 60-01401A
- Antonov, S. A.** See Usatkov, I. F.
- Antonov, V. K.** See Dubrovina, I. N.
- Aoki, Hideki** See Kato, Kazuo; Tomonaga, Atsushi
- Aoki, Masaharu** See Nakamura, Hiroshi
- Aoki, S.; and Sakata, M.**
Statistical approach to delayed fracture of brittle materials. 60-01167A
- Apak, C.** See Guldal, U.
- Appel, J.** See Kuwamoto, Hidehiko
- Apte, M. Y.; and Mande, C.**
Shape and extended fine structure of the manganese K X-ray absorption discontinuity in its oxides. 60-03188A
- Apykhin, N. N.; Mikhailov, M. D.; and Panus, V. R.**
Glass formation and properties of glasses in the systems Ge-Te-Ge and Ge-Te-In . 60-04754A
- Arabidze, A. Sh.; Kozlovskii, L. V.; and Shushanashvili, A. I.**
Material for the production of sanitary ceramic wares. 60-03968A
- Arafa, Salah** See Weeks, Robert A.
- Aragon, R.** See Harrison, Harold Roger
- Arai, Kenichi** See Tsuya, Noboru
- Arai, Yasuo**
Mechanochemistry of powdered materials: I. 60-05649A; Mechanochemistry of powdered materials: II. 60-05650A
- Arai, Yasuo; and Yasue, Tamotsu**
Crystal structure of gypsum. 60-04520A
- Arashi, Haruo; and Piriou, Bernard**
Raman spectroscopy of fluorite-related phases in the $\text{ZrO}_2\text{-Sc}_2\text{O}_3\text{-Yb}_2\text{O}_3$ system. 60-00822A
- Araujo, Roger J.**
Statistical mechanical calculation of fraction of boron tetrahedrally bonded in alkali borates. 60-04873A; Statistical mechanical model of boron coordination. 60-01168A

- Archakov, Yu. I. See Vasil'ev, L. N.
- Archer, W. I.; Armstrong, R. D.; and Sellick, D. P.
Relation between the ac impedance and microstructure of a sodium β -alumina ceramic. 60-00518A
- Ardashnikova, E. I.; Borzenkova, M. P.; and Novoselova, A. V.
Transformations in series of double fluorides of potassium and the rare earth elements. 60-03240A
- Ardelean, Ioan See Burzo, Emil; Nicula, A.
- Aref'ev, V. A. See Aio, L. G.
- Arend, Ronald H.
Molten salt synthesis of barium and/or strontium titanate powder. 60-01724P; See also Huseby, Irvin C.
- Areshiev, M. P. See Aver'yanov, V. I.
- Arias, Alan
Effect of CeO_2 , MgO , and Y_2O_3 additions on the sinterability of a milled Si_3N_4 with 14.5 wt% SiO_2 . 60-04304A
- Arikawa, Kazuo See Tanaka, Isao
- Arimzendi, L.; Lopez, L.; and Cabrero Castillo, J. M.
Growth of single crystals of LiNbO_3 . 60-05618A
- Arkatova, T. G. See Efimov, A. M.
- Arkharov, V. I.; Sutsnov, N. V.; and Miloslavskii, A. G.
Acceptor properties for S in semiconductor compounds CeO_2 and TiO_2 . 60-01508A
- Arkhirov, I. I.; and Reipel, A. I.
Decreasing fuel and energy consumption in the production of ceramic wares. 60-04174A
- Arkhipov, O. N. See Shandiel, S. K.
- Arlt, G.; and Sasko, P.
Domain configuration and equilibrium size of domains in BaTiO_3 ceramics. 60-05271A
- Armington, A. F. See Doherty, S. P.
- Armistead, William H.; and Lachman, Irwin M.
Method of producing manganese cordierite glass-ceramics. 60-00354P
- Armstrong, P. See James, Peter Finlay
- Armstrong, R. D. See Archer, W. I.
- Arnold, G. W.; and Peerey, P. S.
Crystallization of ion-implanted $\text{Li}_2\text{O} \cdot 2\text{SiO}_2$ and SiO_2 glasses. 60-01002A
- Arnold, Hannelore See Poeschmann, Helmut
- Arnold, O.; and Baumeister, P.
Electric field distribution and the reduction of laser damage in multilayers. 60-00504A
- Arons, R. M.; Dusek, J. T.; and Hafstrom, J. W.
Development of tungsten coatings for the corrosion protection of alumina-based ceramics. 60-01745A
- Arons, Richard M.; and Tien, J. K.
Creep and strain recovery in hot-pressed silicon nitride. 60-00778A
- Aronson, J. R.; and Emslie, A. G.
Effective optical constants of anisotropic materials. 60-01886A
- Aroyan, G. A. See Meliksetyan, L. A.
- Arshad, Ali Naqvi See Mohammad, Sohail
- Artamonova, G. I. See Shapovalova, N. F.
- Artamonova, G. I.; Kaplina, E. N.; and Gor'kaya, Z. I.
Glass with increased thermal expansion coefficient. 60-01243P; Green glass. 60-01245P; Red glass. 60-01293P
- Artamonova, G. I.; Kaplina, E. N.; and Polovnikova, T. N.
Glass [with increased thermal expansion coefficient and decreased crystallization at soldering temperatures]. 60-04935P
- Artamonova, H. V. See Abdrashitova, E. I.
- Artamonova, M. V. See Abdrashitova, E. I.; Makedonitsova, O. S.; Tovmasyan, V. M.
- Artamonova, M. V.; Pavlushkin, N. M.; and Abdrashitova, E. I.
Modification of the spectral properties of glasses by additions of Ag and Cu. 60-00218A
- Artelt, Peter See Laux, Walter
- Arunachalam, V. R. See Subramanian, P.
- Arunachalam, V. S. See Bhat, T. Balakrishna
- Arya, Satya P.; Grossman, Leonard N.; and Schoenig, F. C., Jr.
Determining fissile content of nuclear fuel elements. 60-01644P
- Asaga, Kiyoshi See Sakai, Eisuo
- Asahara, Yoshiyuki; and Izumitani, Tetsuro
Properties of gradient index antireflection layer on the phase separable glass. 60-04838A
- Asahino, Tadashi; Kosaka, Mineo; and Taoda, Hiroshi
Heat storage: V. Specific heat contents of molten alkali nitrates. 60-05370A
- Asakura, Tadashi See Matsumoto, Osamu
- Asano, Mitsuru See Okamoto, Kunio
- Asharina, Nina
Russian engraved glass of the eighteenth century. 60-03330A
- Ashby, Carol L. H.; and Rye, Robert R.
Synergistic effect of electrons on the reactivity of atomic hydrogen with graphite. 60-05392A
- Ashby, Michael F.; and Jones, David R. H. (Editors)
Engineering Materials—An Introduction to Their Properties and Applications. 60-02027B
- Ashfield, A. W. F.
Forehearth design and control in 1979. 60-00164A; Frontiers in the glass industry. 60-03524A; Glass furnace design in 1978. 60-00169A; Scale models and plant design—engineering models can help save time and money. 60-02821A
- Ashida, Sakichi See Ito, Yukio
- Ashkin, A. See Dziedzic, J. M.
- Ashley, Paul R. See Chang, William S. C.
- Ashman, Leland E.
Method and means of rapidly distinguishing a simulated diamond from natural diamond. 60-04166P
- Ashton, M. C. See Sharman, S. G.
- Ashurov, M. Kh.; Voron'ko, Yu. K.; and Zharikov, E. V.
Structural characteristics, spectroscopy, and stimulated radiation of Y-Ho-Al garnet crystals. 60-04043A
- Assandri, P. See Timossi, P.
- Astakhova, I. S. See Laptev, D. M.
- Astanina, G. I.; Kucheryav, M. N.; and Selyanko, V. T.
Refractory slip material. 60-01457P
- Atake, T.; and Angell, C. A.
Application of the Rheovibron [mechanical spectrometer] to inorganic glass problems: I. Mixed-alkali effect loss spectrum. 60-00105A
- Atkinson, Alan W.; Clucas, Richard H.; and Lancaster, Robert A.
Fibrous sheet materials. 60-02998P
- Atmanskii, A. I.; and Antimirova, L. K.
Charge for producing refractory articles. 60-01429P
- Ato, Yasuro; Miyagawa, Soji; and Miyagawa, Yoshiko
Surface damage of silicon carbide due to H_2^+ and He^+ ion bombardment. 60-05713A
- Atsumi, Senji; and Wada, Shigetaka
Barium titanate series ceramics having a positive temperature coefficient of electric resistance. 60-00532P
- AuCoin, Thomas R.; Schwartz, Abraham; and Wade, Melvin J.
Method of growing single crystals of alpha aluminum phosphate. 60-02769P
- Auerbeck, Jiri; and Kucera, Jan
Course of the level curve of a viscous liquid flowing in a laminar lens through a prismatic channel. 60-04694A
- Auger, Henri R.
Process for the assembly of shaped leaves. 60-02439P
- Aulich, Hubert; and Eisenrith, Karl-Heinz
Process and apparatus for the production of light-conducting fibers. 60-02438P
- Aulich, Hubert; and Grabmaier, Josef
Double crucible system for the production of light conducting fibers. 60-03741P
- Auric, P. See Bandyopadhyay, A. K.
- Austerman, Stanley B.
Method of growing large, low defect, monocrystals of BeO . 60-00574P
- Austwick, Brian See Austwick, Jill
- Austwick, Jill; and Austwick, Brian (Editors)
Decorated Tile—an Illustrated History of English Tile-making and Design. 60-03271B
- Avanesov, A. G.; Basdev, T. T.; and Voron'ko, Yu. K.
Neodymium electron energy deactivation and transfer in highly concentrated phosphate glasses. 60-03618A
- Avanesov, A. G.; Denker, B. I.; and Korienko, L. S.
Phosphate radical ions $\text{PO}_2^{\cdot-}$ and $\text{PO}_4^{\cdot-}$ in glasses of composition $\text{Li}_2\text{O} \cdot (\text{Nd}_2\text{O}_3)_x \cdot (\text{La}_2\text{O}_3)_y \cdot \text{P}_2\text{O}_5$. 60-03636A
- Avanesov, A. G.; Voron'ko, Yu. K.; and Denker, B. I.
Measurements of the absolute quantum efficiency of neodymium luminescence in high-concentration glasses coactivated with chromium. 60-03601A
- Avartitsolis, J. N.; and Howson, R. P.
Ion plating of durable optical coatings onto plastics. 60-01542A
- Aver'yanov, V. I. See Galachuk, F. Ya.
- Aver'yanov, V. I.; and Areshiev, M. P.
Determination of the directions of conodes [tie-lines] and phase compositions in liquefying glasses, based on electron microscopic data. 60-00133A
- Aver'yanov, V. I.; Mazurin, O. V.; and Porai-Koshits, E. A.
Effect of temperature on the position of conodes [tie-lines] in melts of the system $\text{BaO} \cdot \text{B}_2\text{O}_3 \cdot \text{SiO}_2$. 60-00142A
- Aver'yanov, L. N. See Sogomonyan, R. G.
- Avigal, Y., and Banks, E.
Conductivity of reduced solid solutions in the system $\text{Na}_2\text{O} \cdot \text{Al}_2\text{O}_3 \cdot \text{TiO}_2$. 60-01856A
- Avramov, I.; Paskova, R.; and Samunova, B.
Mechanism of crystallization and dissolution of LiPO_4 from its own melt. 60-04799A
- Avtar, Ram See Jain, G. C.
- Azarenkova, L. E.; Karyakina, E. L.; and Pitak, N. V.
Structure of aluminosilicate glass fibers during heating. 60-04882A
- Azarenkova, L. E.; Pitak, N. V.; and Fedoruk, R. M.
Ir spectroscopic study of the formation of primary mullite in kaolins heated to 1200°C. 60-05643A
- Azema, A. See Saisay, A.
- Aziev, R. G. See Nikolina, E. S.
- Aziz, J.-A.; and Schoenert, K.
Single-particle size reduction and bed loading conditions for cement clinker fractions. 60-02186A
- Azuma, Yasuo; Mizuide, Masahiro; and Suehiro, Kensuke
Thermal decomposition of alkaline earth peroxides. 60-05723A
- Azzam, R. M. A.
Determination of the optic axis and optical properties of absorbing uniaxial crystals by reflection perpendicular-incidence ellipsometry on wedge samples. 60-01011A
- Azzoni, C. B.; Del Nero, G. L.; and Krajewski, Adriano
Diffusive model of Pb^{2+} release by lead-ceramic glazes. 60-03958A
- Babu, Toshiyuki; Ebihara, Isao; and Minegishi, Masatoshi
Glass-containing sheet substrate. 60-00330P
- Baboeva, P. K. See Allazov, M. R.
- Babany, M. B. See Gotuk, Ali Alarik
- Babany, M. B.; Gotuk, Ali Alarik; and Kutiev, A. A.
System $\text{TiTe}_2 \cdot \text{TiSnTe}_2 \cdot \text{TiPbTe}_2$. 60-04446A
- Babitschev, G.
Use of fly ash from "Republika" power station for production of cement and concrete. 60-03385A
- Babbitt, William M.
Apparatus for processing heat softened mineral material [fibers]. 60-04914P
- Babel, D. See Hilger, J. P.
- Babin, P. N.; Akishev, A. Kh.; and Utesheva, S. G.
Material for producing refractory ceramics. 60-05167P
- Babkina, L. A. See Pirogov, Yu. A.
- Babkina, V. A. See Shchavlev, O. S.
- Babosova, A. K. See Skripko, G. G.
- Babe, K. H. See Chopra, S. K.
- Babulnam, S. M.; Ibrahim, M.; and Ahmed, S.
Initial ionic thermocurrent in CaF_2 thin films. 60-02658A
- Babushkina, M. I.; and Ivanov, F. M.
Physicochemical studies of the setting of acid-resisting compositions based on potassium water glass. 60-02329A
- Bacchilega, B. See Palmronari, C.
- Bachiorri, Alessandro; and Cassino, Luciano
Contribution of scanning electron microscopy to the study of aluminum cement hydration in the presence of calcareous and siliceous aggregates. 60-02087A
- Bachrach, R. Z. See Bauer, R. S.
- Bacon, James F.; and Prew, Karl M.
Laser resistant ceramic composite. 60-04242P
- Bacquet, Gerard; Bonysset, Claude; and Misra, Sushil K.
EPR of Mn^{2+} doping unannealed single crystals of $(\text{La}_2\text{O}_3)_x \cdot (\text{CeO}_2)_{1-x}$. 60-03065A
- Bade, Herbert See Brunn, Horst
- Bader, Ernst
Batch reactions in Pyrex glass batches containing sodium carbonate and sodium nitrate as alkali sources. 60-05054A; Crystalline glass defects in commercial glasses. 60-04695A
- Bader, S. D. See Richter, L.
- Badilenko, G. F. See Movchan, B. A.
- Badot, J. C. See Colomban, P.
- Badwal, Sukhvinder Pal S.
 $(\text{U}_2\text{V}_2\text{O}_{10})_x / \text{YSZ}$ interface. 60-05734A
- Boehr, Donald O.; and Izard, David G.
Method for the production of glass fiber-reinforced gypsum sheets and gypsum board formed therefrom. 60-03404P
- Bes, Emil; Navez, Jean-Pierre; and Della Faille de Leverghem, M.
Composition of a material based on mineral fibers. 60-02993P
- Bagarry, J. N. See Eckelmann, G.
- Bagdasarov, Kh. S. See Karpov, I. I.
- Bagley, Rodney D. See Lachman, Irwin M.
- Bagno, Giovanni; Ciambelli, Paolo; and Crescitelli, Silvestro
Catalytic activity of ternary systems transition metal oxide- $\text{MoO}_3 \cdot \text{Al}_2\text{O}_3$. 60-04279A
- Bahnsen, E.; Garofalini, Stephen H.; and Pechman, A.
Accelerated purification of colloidal silica sols. 60-00975A
- Baidakov, L. A.; Katrazov, A. N.; and El-Lahani, H. M.
Nuclear magnetic resonance of ^{31}P and ^{119}Sn in glasses of the system $\text{P} \cdot \text{Se} \cdot \text{Te}$. 60-01109A
- Baikova, L. G.; and Pukh, V. P.
Rupture of glass on local contact loading. 60-03662A
- Bailey, C. D.; Hamilton, J. M., Jr.; and Pless, W. M.
Acoustic emission of impact-damaged graphite-epoxy composites. 60-04199A
- Bailey, G. J. See McPherson, R.
- Bailey, James G.
Slab roller machine. 60-02827P
- Bailey, John Edward; and Chescoe, D.
Microstructure development during the hydration of portland cement. 60-02152A
- Bailey, Reginald Thomas; and Noble, F. R.
New sanitary ware clay: NSC. 60-02592A
- Bailiff, Remy See Yvon, Klaus
- Baiocchi, E. See Momo, F.
- Bairamov, F. A.; Timashev, V. V.; and Kolbasov, V. M.
Effect of plasticizing agents on the crystallization kinetics and structure formation in cement paste during early stages of hardening. 60-04527A
- Bairashev, R. R.; Abzhil'din, F. Yu.; and Kaityshev, O. A.
Manufacture of large refractory articles based on Al_2O_3 , with a phosphate binder. 60-05166P
- Baistinger, William E.; French, Preston W.; and Swarts, E. Lowell
Characterization of tin in the bottom surface of float glass by ellipsometry and XPS. 60-00121A
- Bajpai, Praphulla K.; and Graves, George A.
Porous ceramic carriers for controlled release of proteins, polypeptide hormones, and other substances within human and/or other mammalian species and method. 60-00758P
- Baker, H. M. See Beaman, D. R.
- Baker, L. R.
Failure criterion of brickwork in vertical flexure. 60-03837A; Lateral strength of brickwork—an overview. 60-03842A; Pre-cracking behavior of laterally loaded brickwork panels with in-plane restraints. 60-03845A
- Baker, Robert L.
Humate utilization techniques. 60-02206P

- Bakhyshov, A. E.; and Akhmedov, A. M.**
Phase diagrams and relations between composition and properties in the systems $TiGaS_2$ - $TiGaSe$, and $TiInS_2$ - $TiInSe$. 60-04383A
- Baki-Borodov, E. L.; and Zhdanov, S. P.**
Localization of H-centers in porous glasses. 60-03592A
- Baki-Borodov, E. L.; Zhdanov, S. P.; and Grunin, V. S.**
Formation mechanism and localization of surface defects in macroporous glass. 60-03519A
- Bakker, Wate T.; Trantina, Gerald G.; and Kotchick, David M.**
Requirements for structural ceramics in advanced power plants. 60-04224A
- Baklanov, G. M.** See Tokar, V. A.
- Bakos, Peter**
Decreasing the porosity and surface roughness of ceramic substrates. 60-01584P
- Bakr, Mohamed Y.; El-Abd, Mohamed Z.; and El-Abd, Ahmed Z.**
Expansion of mortar and concrete made from Egyptian portland cement. 60-00913A
- Bakul, V. N.** See Fedoseev, D. V.
- Balabanova, E. A.; Vargunin, A. I.; and Orlova, E. M.**
Pyrolysis of boronitride compounds with the objective of synthesizing films of boron nitride. 60-03171A
- Balachandran, U.; and Eror, Nicholas G.**
Solubility of lanthanum in strontium titanate. 60-04425A
- Balakirev, A. A.; and Mirkin, M. I.**
Use of phosphorus slags in the production of cast ceramic tiles. 60-03976A
- Balasanian, Ion** See Szep, Alexandru
- Balasanyan, B. S.** See Vartanyan, M. E.
- Balashov, Yu. S.** See Andreev, I. V.
- Balashov, Yu. S.; Chernyshev, A. V.; and Sanin, V. N.**
Velocity and absorption of ultrasound in ion-doped quartz glasses. 60-01197A
- Balasoio, Horia** See Popescu, Georgeta
- Balasubramanian, C.** See Mangalraj, D.
- Balasubramanian, N.** See Ramachandran, B. E.
- Baldacci, Luigi** See Rustioni, Massimo
- Baldacci, Luigi; and Rustioni, Massimo**
Bismuth vanadate pigments and process for preparing them. 60-02597P; Inorganic pigments and method for preparing them. 60-01505P; New inorganic pigments and process for their preparation. 60-05251P
- Baldacci, Luigi; Rustioni, Massimo; and Caristi, Francesco**
Optical structural study of low-toxicity pigments. 60-02593A
- Baldwin, H.**
By-products of the manufacture of fuller's earth [for use] as raw materials. 60-05474A
- Baldwin, C. M.; and Mackenzie, John D.**
Ionic transport and defect structure of vitreous beryllium fluoride. 60-01072A
- Baliga, Bantval J.; and Gidley, Gerald B.**
Planar epitaxial refill using liquid phase epitaxy. 60-02780P
- Balkевич, V. L.** See Poluboyarinov, D. N.; Polyakov, S. A.
- Balkевич, V. L.; Litvin, Yu. N.; and Mosin, Yu. M.**
Controlling the molding properties of plastic masses based on Al-Mg spinels plasticized with aqueous solutions of carboxymethylcellulose. 60-05197A
- Ball, D. A.; Putnam, A. A.; and Levy, A.**
Use of low- and medium-energy gas from coal in ceramic processes. 60-01704A
- Ball, G. J.; Chamberlain, J. M.; and Angress, J.**
Extreme far infrared absorption in Se-glasses. 60-03505A
- Ball, William J.; Palmer, Keith W.; and Stewart, David G.**
Method for preparing aluminosilicates, their use as catalyst supports and catalysts, and method for producing catalysts therefrom. 60-01814P
- Balla, I.**
Rheological study of brickmaking clays to determine their characteristic plasticity. 60-05030A
- Ballard, Denis G. H.; Meredith, William N. E.; and Rideal, Graham R.**
Compositions of vermiculite lamellae and solid particulate materials. 60-05529P
- Balluffi, R. W.; Bristowe, P. D.; and Sun, C. P.**
Structure of high-angle grain boundaries in metals and ceramic oxides. 60-01985A
- Bal'makov, M. D.**
Use of Mueller structural units in methods for calculating the properties of glasses based on their composition. 60-01194A; See also Muromtsev, V. A.
- Ban, Vladimir S.**
Radiation heated reactor for chemical vapor deposition on substrates. 60-04097P
- Banas, R.** See Garofalini, Stephen H.
- Bancroft, G. Michael** See Karkhanis, Suresh N.
- Bando, Shigeru**
Method for grinding glass plates and the like through numerical control and beveling machine therefor. 60-01260P
- Bando, Shinji; and Koba, Masaaki**
Castable and protective insulating refractories for skid pipe for furnace. 60-05059A
- Bando, Y.; Iijima, S.; and Kawamoto, Yoji**
Application of STEM to elemental analysis in glass. 60-00979A
- Bandyopadhyay, A. K.**
Interaction between copper and manganese in a soda-borate glass [studied] by ESR. 60-00188A; Optical and ESR investigation of borate glasses containing single and mixed transition metal oxides. 60-02322A; Thermodynamics of oxidation-reduction of vanadium in borate glasses. 60-00290A
- Bandyopadhyay, A. K.; Auric, P.; and Phalippon, Jean**
Spectroscopic behavior and internal friction of glasses containing iron having different redox ratios. 60-00272A
- Bandyopadhyay, A. K.; Zarzycki, Jerzy; and Auric, P.**
Magnetic properties of a basalt glass and glass-ceramics. 60-01085A
- Bandyopadhyay, Gautam** See Fenske, George R.
- Bandyopadhyay, Gautam; Buzzell, J. A.; and Hofman, G. L.**
Microstructural studies of irradiated mixed-oxide fuels subjected to multiple, mild thermal transients. 60-05376A
- Bandyopadhyay, N.** See Ritter, John E., Jr.
- Banerjee, N. C.; Banerjee, S. P.; and Sircar, N. R.**
Glassmelting pots and indigenous clays—characteristics and processing. 60-05083A
- Banerjee, S. K.**
Energy crisis and the future of glass and ceramic industries in India. 1. 60-00647A
- Banerjee, S. P.** See Banerjee, N. C.
- Banerjee, S. P.; Bhadra, A. K.; and Sircar, N. R.**
Refractories in the Al_2O_3 - ZrO_2 - SiO_2 system. 60-01392A
- Banerjee, S. P.; and Wisnoska, H.**
Characterization of bonded synthetic mullite refractories. 60-03872A
- Banerjee, Satl Prasad** See Kanippayoor, R. K.
- Banerjee, Subrata** See Paul, Amalendu
- Bangeri, H.; and Pfefferkorn, H.**
Condensation and stability of ZnS thin films on glass substrates. 60-02615A
- Banik, Gerhard** See Vendl, Alfred
- Banik, Gerhard; Schmitt, Theo; and Wruss, Werner**
Preparation of arc-melted metal oxide eutectics in the systems $(Cr,Al)_2O_3$ - (Cr,Mo,W) , ZrO_2 -Ta and their powder metallurgical treatment. 60-01773A
- Banino, George M.**
Rock treating method and compositions. 60-03415P
- Banker, J. G.** See Holcombe, Cressie E., Jr.
- Bankina, V. F.** See Abrikosov, N. Kh.
- Banks, E.** See Avigal, Y.
- Banks, Edward L.**
Method of polishing a semiconductor wafer. 60-04080P
- Banks, Reginald G. S.; and Williams, Alan**
Gas-making calcined catalyst precursors of nickel, alumina, sodium, and potassium. 60-03001P
- Banno, S.** See Ito, S.
- Bansaghi, Z.; Lenkel, M.; and Voros, A.**
Control of pressing of ceramic tiles by thermovision. 60-05196A
- Bansal, Bihari; and Boettner, George B.**
Glass conditioning. 60-02388P
- Bansal, C.; and Srinivasan, V.**
Microscopic theory for the glass state. 60-03608A
- Bansal, Girraj K.** See Shetty, Dinesh Kumar
- Bansal, Girraj K.; and Duckworth, Winston H.**
Fracture toughness of hot-pressed Si_3N_4 . 60-01752A
- Bansigir, K. G.** See Subramanian, Brinda
- Bantsekov, S. V.** See Sokolina, G. A.
- Barabanova, L. A.; Gavrilachenko, V. G.; and Tskhotskil, E. S.**
Anomalous dielectric properties of lead titanate caused by point defects. 60-05260A
- Barakat, N.; El Dessouki, T.; and Sharaf, F.**
Laser induced damage to glass and stainless steel targets. 60-03581A
- Baral, S. C.** See Ghosh, S. N.
- Baranaukas, V.; Mammana, C. I. Z.; and Klinger, R. E.**
Laser-induced chemical vapor deposition of polycrystalline Si from $SiCl_4$. 60-02663A
- Baratta, F. I.** See Bowie, O. L.
- Baratta, Francis I.**
Refinement of stress intensity factor estimates for a peripherally cracked spherical void and a hemispherical surface pit. 60-01964A; When is a beam a plate? 60-04464A
- Barazani, Gail Coningsby** See McCann, Michael
- Barba, M. F.; Valle, F. J.; and Martin-Rubi, J. A.**
X-ray fluorescence analysis of siliceous, silico-aluminous, and high-alumina refractory materials. 60-05142A
- Barbato, M.** See Marabini, A. M.
- Barbau, M.; and Colomaban, P.**
Coloring blast furnace slag for use in insulating panels. 60-01336A
- Barbery, G.** See Millot, C.
- Barbie, Leon** See Kucovan, Ivan
- Barco, Luigi** See Beruto, Danilo
- Bar-Cohen, Y.; Harnik, E.; and Meron, M.**
Ultrasonic nondestructive evaluation method for the detection and identification of defects in filament-wound glass fiber-reinforced plastic tubes. 60-03713A
- Bardenheier, R.**
Technique of acoustic emission monitoring. 60-04159A
- Bardhan, P.; and McNally, R. N.**
Fusion casting and crystallization of high temperature materials. 60-01356A
- Barham, D.** See Emberson, C. C.; Schubert, P.
- Barinov, S. M.** See Krasulin, Yu. L.
- Barkatt, Aaron; Angell, C. A.; and Miller, John R.**
Visible spectroscopy of irradiated high-alkali borate and mixed-alkali phosphate glasses. 60-02358A
- Barker, R. C.** See Dressendorfer, P. V.
- Barlow, Malcolm; and Lundquist, Jerry R.**
Process of making silicon dioxide films for use as wear resistant coatings in video and digital magnetic recording. 60-04094P
- Barmina, N. V.** See Gridnev, S. A.
- Barnard, Julian** (Editor)
Victorian Ceramic Tiles. (Christie's International Collectors Series.) 60-00870B
- Barnea, Z.** See McIntyre, G. J.
- Barnes, D. M.** See Abys, J. A.
- Barnes, Norman P.; and Gettemy, Donald J.**
Temperature variation of the refractive indices of yttrium lithium fluoride. 60-01996A
- Barnes, P.** See Ghose, A.
- Barnes, P.; Feniman, C. H.; and Jeffery, J. W.**
Structurally related dicalcium silicate phases. 60-05706A
- Barnes, P.; Fonseka, G. M.; and Ghose, A.**
Ion beam etching in the study of cementitious materials. 60-00919A
- Barnett, Allen M.**
Thin film photovoltaic cells having blocking layers. 60-02795P
- Barner, Suzanne; Guittard, Micheline; and Flahaut, Jean**
Chalcogenide glasses containing divalent europium in the system $EuS-Ga_2S_3-GeS_2$. 60-00117A
- Barns, R. L.** See Kaminow, Ivan P.
- Baron, Jacques** See Sok, Chnyu
- Barooah, B. C.; and Baruah, U. K.**
Recently located sillimanite deposit in Karbi Anglong district, Assam [India]. 60-07115A
- Barr, John B.** See Jones, Janice Breedon
- Barr, R. Stephen** See Howarth, Gary F.
- Barre, Rene E. L.**
Apparatus for molding glass objects with tongs and spades. 60-01213P
- Barrie, Robert**
Syracuse University [Studio Arts Department]. 60-00898A
- Barry, Thomas Ian**
Mineralogy of glass-ceramics. 60-02313A
- Barry, Thomas Ian; Lay, L. A.; and Morrell, Roger**
Strength of experimental grinding wheel materials including use of novel glass and glass-ceramic boards. 60-03679A
- Barsch, G. R.** See Strieler, M. E.
- Barstenev, G. M.; and Shcheglova, N. N.**
High temperature relaxation mechanisms in inorganic glasses. 60-00178A
- Barstenev, G. M.; Shcheglova, N. N.; and Sanditov, D. S.**
Mechanism of stress relaxation in silicate glasses at high temperatures. 60-01092A
- Bartholomew, Roger F.; Dorfeld, William G.; and Murphy, James A.**
Cuprous copper and/or silver halophosphate glasses. 60-00310P
- Bartholomew, Roger F.; Tick, Paul A.; and Stookey, Stanley D.**
Water/glass reactions at elevated temperatures and pressures. 60-01199A
- Barton, J. L.; and De Billy, M.**
Diffusion and oxidation of Cu⁺ in glass. 60-01015A
- Barton, Mark David**
Ag-Au-S system. 60-03027A
- Bartram, Stanley F.; and Foss, Warren M.**
Preparation and identification of $Ca_2ZnTi_3O_{10}$ —a new structure type. 60-03166A
- Baruah, U. K.** See Barooah, B. C.
- Bashkistrov, Sh. Sh.; Liberman, A. B.; and Parfenov, V. V.**
Transfer phenomena in Mn-Zn ferropisil semiconductor. 60-04460A
- Basiev, T. T.** See Avanesov, A. G.
- Basemadjian, D.**
Throughflow drying and conditioning of beds of moist porous solids—a simple method for the quantitative prediction of moisture and temperature fronts. 60-02895A
- Bass, M.** See Soileau, M. J.
- Basu, A. K.** See Mukerji, Joydeb
- Basu, M. K.; Nayak, U. N.; and Lele, R. V.**
Energy requirements and fuel efficiency in whiteware industry. 60-00484A
- Batail, Patrick** See Omaly, Jean
- Batakis, A.** See Ritter, John E., Jr.
- Batanova, A. M.** See Nikolina, E. S.
- Bate, Robert T.; and Morris, Henry B.**
Method of making nonvolatile semiconductor memory elements. 60-02770P
- Bates, Clayton W., Jr.** See Yang, Sheng-Jenn
- Bates, J. Lambert** See Marchant, David D.; Rupaal, A. S.
- Bates, John B.** See Engstrom, Herbert
- Batey, William; Mills, Alfred L.; and Williams, John A.**
Recovery of nuclear fuel material. 60-02817P
- Batha, H. Dean** See Murata, Yohiro
- Bathias, C.** See Bunsell, A. R.
- Battigelli, Jean A.** See Leveque, Marcel
- Battigelli, Jean A.; and Bouquet, Francois**
Apparatus for heat treatment of fibrous mats. 60-03725P
- Battke, Wolfram**
Relation between strength and expansion-shrinkage behavior of clay-bonded synthetic zeolite. 60-05518A
- Battle, G. C.** See Keesee, Anne M.

- Bauke, Friedrich G. K.**
Field driven redistribution of guest protons within protonated silicate glasses. 60-01046A; See also Guetmann, Gunter
- Baud, G.; and Besse, J.-P.**
Superionic conducting glasses—glass formation and conductivity in the system Ag-Sr-AgPO_3 . 60-03693A
- Baudry, Bernard** See Donnet, Jean-Baptiste
- Bauer, Donald J.** See Eichbaum, Barlene R.; Eisele, Judith A.; Schulze, Lawrence E.
- Bauer, Karl-Heinz; and Quinten, Reiner**
Operating results obtained with dolomite and bauxite ladle linings in the BOF steelmaking plant of the Dillinger Huettenwerke AG. 60-01376A
- Bauer, Klaus** See Ritzmann, Horst
- Bauer, R. S.; Bachrach, R. Z.; and Brillson, L. J.**
Au and Al interface reactions with SiO_2 . 60-05565A
- Bauer, William C.** See Byers, Stanley A.
- Bauer, William H.** See Higgins, Leo M., III; Ings, John B.
- Baumann, F.**
Dryer-crusher plant for clay. 60-05017A
- Baumann, Siegfried** See Druckenbrodt, W.-G.
- Baumeister, P.** See Arnon, O.
- Baumeister, Philip** See Malacara-Hernandez, Z.
- Baumgartner, Friedrich** See Weiss, Franz
- Baurschmidt, Peter** See Schaldach, Max
- Bayer, Dieter** See Foerster, Herbert
- Bayer, Gerhard**
Foaming of borosilicate glasses by chemical reactions in the temperature range 950–1150°C. 60-00163A
- Bayer, Gerhard; and Koese, S.**
Reaction of foaming additives with waste glass powders in the preparation of lightweight materials. 60-01146A
- Baylac, Christiane** See De Panafieu, Arnaud
- Bayne, M. A.** See Patten, Jim W.
- Bayoglu, A. S.; and Lorenzelli, R.**
Chemical diffusion of oxygen in $(\text{U,Pu})\text{O}_{2-x}$. 60-05355A; Dilatometric and thermogravimetric study of the chemical diffusion of oxygen in PuO_2 . 60-05363A
- Bazakutsa, V. A.; Lazarev, V. B.; and Gnidas, N. I.**
Some physical properties of solid solutions based on Sb_2Te_3 in the systems $\text{Li-Te-Sb}_2\text{Te}_3$ and $\text{Na-Te-Sb}_2\text{Te}_3$. 60-03198A
- Bazarov, L. Sh.; and Stenina, N. G.**
Effect of heat treatment on the real [defect] structure of quartz. 60-03069A
- Bazarova, L. F.; and Volynets, F. K.**
Kinetics of densification of lead lanthanum zirconate titanate during hot-pressing. 60-05280A
- Bazhan, O. V.; Fenelonov, V. B.; and Tarasova, D. V.**
Effect of alkali metal cations on changes in silica gel porous structure. 60-04305A
- Bazhenova, T. A.** See Timashev, V. V.
- Bazuev, G. V.; Milova, G. D.; and Shveikin, G. P.**
Electrical properties of $\text{Nd}_2\text{O}_3\text{-Ca}_2\text{VO}_4$ solid solutions [used as semiconductors]. 60-04009A
- Bazylok, I. A.; Rostenko, K. V.; and Shimanskii, N. F.**
Improving the quality of ceramics for walls. 60-03839A
- Bchemyan, L. K.** See Kostanyan, K. A.
- Beach, David L.; and Kobylinski, Thaddeus P.**
Metal modified refractory metal oxide/silica supported nickel cluster catalyst. 60-05535P
- Beales, Keith John** See Dunn, Anthony G.
- Beales, Keith John; Day, Clive R.; and Dunn, Anthony G.**
Low loss optical fibers with numerical apertures in the range 0.3–0.6. 60-00201A
- Beales, Keith John; Duncon, William J.; and Dunn, Anthony G.**
Optical fibers and glasses. 60-04982P
- Beall, George H.**
Spontaneously formed alpha-quartz glass-ceramics. 60-02447P
- Beall, George H.; Grossman, David G.; and Hoda, Syed N.**
Inorganic gels and ceramic papers, films, fibers, boards, and coatings made therefrom. 60-02403P
- Beaman, D. R.; and Baker, H. M.**
Identification of chrysotile asbestos by microdiffraction. 60-02838A
- Bean, J. C.**
Growth of thin silicon films on sapphire and spinel by molecular beam epitaxy. 60-02643A
- Beard, P. D.**
Microlenses for coupling single-mode fibers to single-mode thin-film waveguides. 60-01096A
- Beasley, M. R.** See Rudman, D. A.
- Beauchamp, William T.; and Rancourt, James D.**
Refractive-index measurements of moderately reflecting substrates using a wedged film technique. 60-01681A
- Beaudin, L. J.** See Kurikawa, A. K.
- Beaulieu, R.** See Gorska, M.
- Beaumont, Peter W. R.; and Anstice, Paul D.**
Failure analysis of the micromechanisms of fracture of carbon fiber and glass fiber composites in monotonic loading. 60-01750A
- Becher, J.** See Reft, C. S.
- Becher, Paul F.**
Effect of water bath temperature on the thermal shock of Al_2O_3 . 60-01885A; Transient thermal stress behavior in ZrO_2 -toughened Al_2O_3 . 60-02010A; See also Hasselman, D. P. H.; Lewis, David, III; Rice, Roy W.
- Becherescu, D.; and Gogea, L.**
Zirconium silicate synthesis in the presence of certain mineralizers. 60-02017A
- Beck, J. Howard**
Symmetry in firing. 60-01702A
- Becker, A.** See Strangert, S.
- Becker, F. H.**
Energy economy for kilns in the ceramic industry. 60-05458A
- Becker, Kurt; and Schaar, Lothar**
Cooling system for molds. 60-02376P
- Becker, Rudolf**
Method for producing silicon nitride molded bodies by means of pseudoisostatic hot-pressing. 60-04245P
- Becker, T.** See Odler, Ivan
- Beckers, Karl-Dieter** See Hoeffken, Erich
- Beckmann, Rolf; and Knackstedt, Wilhelm**
Method of manufacturing laminated safety glass. 60-04974P
- Beckwith, Bruce R.** See Trahan, Albert J.
- Beddow, John Keith** (Editor)
Particulate Science and Technology. 60-03283B
- Bedell, John R.**
Foundry molds containing glassy metal alloy filaments. 60-03928P
- Bednosheva, M. A.; Petrenko, Yu. M.; and Savina, L. A.**
Enamel slip. 60-04660P
- Beech, D. G.**
Concept of characteristic strength. 60-03828A; See also West, H. W. H.
- Beestrice, William R.** See Frey, William I.
- Begovich, John M.** See Haas, Paul A.
- Beguvala, Moiz M. E.; and Erdmann, Francis M.**
Process for direct thermal nitridation of silicon semiconductor devices. 60-05338P
- Behnisch, Anneliese**
Ceramics in the DDR (East Germany), 1970–1980. 60-04497A
- Behrendt, Donald R.**
Calculation of residual principal stresses in CVD boron on carbon filaments. 60-00699A
- Beier, Wolfram; and Frischat, G. H.**
Mass spectrometric method for the determination of Li self-diffusion in oxide glasses. 60-00204A
- Beirute, Robert M.**
High temperature cement mud spacer. 60-04588P
- Belaya, A. N.; Dobrovinskaya, E. R.; and Litvinov, L. A.**
Impurity striation in Al_2O_3 single crystals. 60-00805A
- Belcheva, D.; and Mitev, T.**
Polycrystalline corundum ceramics and the effect of some variable technological parameters on the production of the ceramic with a definite density and light-transmittance. 60-04828A
- Beldiceanu, Anca** See Bratescu, G. G.
- Belenko, S. D.** See Petrin, N. V.
- Bell, Bernard** See Bickel, William S.
- Bell, Bernard Trevor**
Ceramic colors. 60-05192A
- Bell, R. J.; and Carnevale, A.**
Structural model for B_2O_3 glass. 60-03682A
- Bell, William Terence**
Thermoluminescence dating—radiation dose-rate data. 60-01684A
- Belleri, Gabriele** See Beruto, Dario
- Bellino, Robert A.**
Protection of optical fibers. 60-00370P
- Belopol'skii, M. S.; Reformat, N. F.; and Mazo, R. I.**
Apparatus for determining the sinterability of ceramic bodies. 60-04142A
- Belostotskaya, N. S.; and Shapiro, L. Ya.**
Effect of grog type on the quality of surface of sanitary ware made of faience grog. 60-02582A
- Belov, A. P.** See Sereida, N. E.
- Belov, N. V.** See Bondareva, O. S.; Maksimov, B. A.; Nevskii, N. N.; Shpynova, L. G.
- Belsky, Milan; Schwind, Albert; and Winkhaus, Guenter**
Method for the manufacture of pure aluminum oxide from aluminum ore. 60-00685P
- Belson, Jim**
Ceramics at Sun Valley Center [for the Arts and Humanities, Idaho]. 60-00885A
- Beltrami, G.** See Ganzer, C.
- Beltrao, M. da C. M. C.** See Enriquez, C. R.
- Belyaev, I. N.** See Lupeiko, T. G.; Sogomonyan, R. G.
- Belyaev, L. M.; Bykov, A. B.; and Timofeeva, V. A.**
Some problems of crystallization kinetics and the growth mechanism of YAlO_3 crystals on oriented seeds in solution-melt media. 60-01978A
- Belyaev, R. A.** (Editor)
Beryllium Oxide (Okis Beriliya). 60-03260B
- Belyaevskaya, N. M.** See Alekseeva, I. P.
- Belyakov, A.; and Serova, E. V.**
Ceramic material granules based on ZrO_2 and MgO . 60-01422P
- Belyi, Ya. I.; and Goleus, V. I.**
Viscosity of fusible glass-forming alloys of the system $\text{Na}_2\text{O-B}_2\text{O}_3\text{-SiO}_2$. 60-04906A
- Belyi, Ya. I.; Popov, N. V.; and Savchenko, V. D.**
White enamel. 60-00973P
- Belyi, Ya. I.; Sardak, E. M.; and Goleus, V. I.**
Primer enamel. 60-00973P
- Belyi, Ya. I.; Sardak, E. M.; and Koleda, V. V.**
Refractory coating [with expanded viscous-flow temperature range and increased resistance to enamel melts by adding CaO and Fe_2O_3]. 60-05177P
- Belyustin, A. A.** See Shul'ts, M. M.
- Belyustin, A. A.; and Valova, I. V.**
Study of glass electrode potential dynamics by the method of concentration discontinuities [step variations]. 60-03692A
- Bemallou, Paul; and Benoit, Jacques**
Blue electroluminescence in $\text{CdF}_2\text{:NaF}$ thin films at 77 K. 60-02247A
- Benci, S.; Manfredi, M.; and Salvati, G. C.**
Electrical properties of WO_3 powders. 60-01888A; Mechanisms of electrical conductivity in evaporated WO_3 thin films. 60-01546A
- Bendanti, F.; Mazza, G.; and Zampieri, R.**
Pilot plant and industrial scale experiments for the production of single-pressed glazed floor tiles. 60-02490A
- Bender, Willi; and Kucher, E.**
Technical and economic aspects of the application of pan mills in heavy ceramics. (Factors affecting the cost of operating pan mills). [I]. 60-05034A
- Bendig, Larry L.** See Stowell, Donald E.
- Bendow, Bernard** See Gianino, Peter D.; Moynihan, Cornelius T.
- Benea, Floarea** See Surgeon, Ioan
- Beneking, Heinz; Grote, N.; and Kraeutle, H.**
Comparison between lasers induced by oxygen implantation and SiO_2 isolated stripe lasers. 60-02253A
- Bengtson, Ole** See Wooler, Alan M.
- Beni, Gerardo** See Hockwood, S.
- Beni, Gerardo; Dautremont-Smith, W. C.; and Schiavone, Lawrence M.**
Iridium oxide-based electrochromic devices. 60-04066P
- Benko, F. A.** See Kofflyberg, F. P.
- Benn, M.** See Kuwabara, M.
- Bennett, G. A.; and Chen, Chin-Lin**
Wavelength dispersion of optical waveguides. 60-00297A
- Bennett, H.**
Chemical analysis of vitreous enamels by modern methods. 60-02223A
- Bennett, R.** See Nadeau, John S.
- Bennett, Robert F.; Brown, Warren D.; and Patterson, Clarence L.**
Flue pressure control for tunnel kilns. 60-01707P
- Benoit, Jacques** See Benallou, Paul
- Bensted, John**
Instrumental investigations of portland cement hydration: I. Raman spectroscopy. 60-00030A; Instrumental investigations of portland cement hydration: II. Differential thermal analysis (DTA). 60-00031A; Some applications of thermogravimetry to portland cement. 60-02188A
- Benton, Janet L.; Doherty, Charles J.; and Kimerling, Lionel C.**
Passivation of defects in laser annealed semiconductors. 60-04085P
- Bentzen, L. D.** See Niihara, Koichi; Ziegler, Guenter
- Bentur, Arnon**
Effect of curing temperature on the pore structure of tricalcium silicate pastes. 60-03353A
- Bentya, Marian**
Explosion risks in making glass mirrors and risk prevention methods. 60-04743A
- Bentzen, Janet J.; and Nicholson, Patrick S.**
Preparation and characterization of dense, highly conductive $\text{Na-GdSi}_3\text{O}_7$ (nasion (NGS)). 60-03165A
- Beresnevich, L. A.; and Popil'skii, R. Ya.**
Production of ceramics with a high dielectric constant, based on a fused quartz matrix. 60-04835A
- Berezikova, G. V.; and Perstev, P. P.**
Effect of high-temperature deformation on the plastic properties of MgO single crystals. 60-05603A
- Bereznoi, A. I.; Petrov, S. V.; and Mashkin, A. A.**
Fine structure and physicochemical properties of photosensitive glass-ceramics obtained from continuously molded strips of light-sensitive Li aluminosilicate glass. 60-02280A
- Bereznoi, A. S.**
Structure of the subsolidus region in the 6-component system $\text{CaO-MgO-Cr}_2\text{O}_3\text{-Al}_2\text{O}_3\text{-ZrO}_2\text{-SiO}_2$. 60-04434A
- Berezkin, S. P.** See Olfier, V. P.
- Berg, James I.** See Goldman, Don S.
- Berg, S.** See Andersson, L. P.
- Berger, Iris; Lange, Peter; and Wiegmann, Joachim**
Phase variations during sintering of porcelain and kaolin. 60-05211A
- Berger, Richard L.** See Boyer, J. P.
- Bergeson, Clifton G.** See Herron, Lester Wynn
- Bergk, Karl-Heinz** See Wolf, Friedrich
- Berglund, S. E.; Carlson, P. J.; and Jacobsson, J.**
Observation of fluorescence in silica glass fibers. 60-03623A
- Bergmann, H.-W.; Philipp, G.; and Wasserman, G.**
Microstructure and mechanical properties of highly deformed aluminum-glass composites. 60-03609A
- Bergna, Florio E.**
Petroleum refinery processes using catalyst of aluminosilicate sols and powders. 60-04254P
- Berkman, Samuel; Kim, Kyong-Min; and Temple, Harold E.**
Means for growing ribbon crystals without subjecting the crystals to thermal shock-induced strains. 60-00557P
- Berkman, Samuel; Metz, Robert; and Novak, Richard E.**
Apparatus for and method of supporting a crucible for EFG growth of sapphire. 60-02727P; Heat radiation deflectors within an EFG crucible. 60-05318P
- Berlicki, Tadeusz**
Behavior of $\text{Al-Al}_2\text{O}_3$ -metal capacitors when subjected to voltage and temperature changes. 60-03998A

- Bernal Duenas, A.; Garcia Ramos, G.; and Gonzalez Garcia, F.
Ceramic clays of Andalusia: XII, Deposits in the Triassic formations of Guadalquivir (Jaen). 60-01711A
- Berner, Robert A.; Sjoeborg, E. L.; and Velbel, Michael A.
Dissolution of pyroxenes and amphiboles during weathering. 60-03062A
- Bernhard, Rudolf; and Bonjour, Hans
Apparatus for automatically sealing insulation glass panels. 60-01208P
- Berremann, D. W. See Peterson, George Earl
- Berry, David; Black, Brian D.; and Kirby, Peter
Acid formates for use as setting and early strength development accelerators in cementitious compositions. 60-03387P
- Berry, Reginald I.
Ancient fuel provides energy for modern times. 60-04169A
- Bershtein, V. A. See Stepanov, V. A.
- Bershtein, V. A.; Egorov, V. M.; and Emel'yanov, Yu. A.
Ion interactions between framework sections and relaxation transitions in alkali silicate glasses. 60-01070A
- Bershtein, V. A.; Gorbatchev, V. V.; and Egorov, V. M.
Structure peculiarities of mixed alkali silicate glasses. 60-01174A
- Bertani, A.
Phenomena related to the sintering process of silicon nitride at atmospheric pressure. 60-05515A
- Berthold, Horst-Otto
Method for the chemical decontamination of nuclear reactor components. 60-00614P
- Berti, Graziella; and Tongiorgi, Liana
Ceramic wares decorated with "eye of peacock's feather" produced at the Pisa factory [of Lungarno Simonelli]. 60-03950A
- Bertrand-Zytokowski, M. See Walentykowicz, E.
- Berun, A. V.; Dobroskokin, N. V.; and Shlyakov, Yu. N.
Treatment of glass-fiber cuttings. 60-01306P
- Beruto, Dario; Barco, Luigi; and Belleri, Gabriele
Vapor-phase hydration of submicrometer CaO particles. 60-03244A
- Besse, J.-P. See Baud, G.
- Bessonov, A. F.; and Bessonova, E. V.
Effect of additives on the formation, recrystallization, and sintering of magnesium orthosilicate. 60-05599A
- Bessonova, E. V. See Bessonov, A. F.
- Betts, Foster See Posner, Aaron S.
- Beitz, Wolfgang; and Rossmann, Axel
Method of encapsulating a molded ceramic member. 60-01607P
- Beuchele, Andrew See De Jonghe, Lutgard C.
- Beumer, B.
New methods of shipping and storing of bagged products in sacks. 60-02160A
- Beutler, Paul S. See Hollenberg, Glenn W.
- Bezv, V. A.; and Pivinskii, Yu. E.
Material for the manufacture of cast refractories. 60-05168P
- Beyeler, Hans Ulrich See Thormer, Klaus
- Beynon, J. See Castro, E. M.
- Bezjak, Aleksandar; and Jelenic, Ivanka
Determination of rate constants for hydration processes in cement pastes. 60-02100A
- Bezjak, Aleksandar; and Runje, Vesna
Quantitative phase analysis of the hydrothermally treated system γ -Ca₂SiO₅-CaO. 60-03173A
- Bezlepkin, V. A. See Semchenko, G. D.
- Bezlepkin, V. A.; Gordeev, S. Ya.; and Ovcinnikov, A. N.
Charge for producing refractory articles. 60-05158P
- Bezmaternykh, L. N.; and Mashchenko, V. G.
Growth of single crystals of Ni-Zn ferrites from melts of BaO-B₂O₃-ZnO- γ -Fe₂O₃ with a nonstoichiometric content of ferrite-forming oxides. 60-04018A
- Bezmerkno, N. E. See Khalakhor, T. K.
- Bezzykornov, A. I.; Evtushenko, O. V.; and Delmontovich, V. B.
Reactions of some refractory compounds with VT3-1 titanium alloy (1.5–2.5 Cr, 4.0–5.2 Al, 1.0–2.0% Mo, balance Ti). 60-01781A
- Bhadra, A. K. See Banerjee, S. P.
- Bhaduri, S. K.; and Tyagi, B. S.
Preliminary studies on bauxite from Rajhauan (UP). 60-05484A
- Bhagavat, G. K.; and Sundaram, K. B.
Electrical and photovoltaic properties of tin oxide-silicon heterojunctions. 60-01526A
- Bhallal, A. S. See Halliyal, A. G.; Tongson, Luis L.
- Bhallal, Rambr S.
Color high-pressure sodium vapor lamp. 60-01224P; See also Hirayama, C.
- Bhat, D. G. See Stiglich, J. J.
- Bhat, T. Balakrishna; and Arunachalam, V. S.
Inhomogeneous flow and the effective pressure concept in pressure sintering. 60-00807A
- Bhatt, D. J.; Shah, M. M.; and Oza, P. P.
Post-construction estimation of cement content in mortars. 60-03376A
- Bhattacharyya, A. B. See Manchanda, L.
- Bhattacharyya, Hemanta See Samaddar, B. N.
- Bhaumik, P. K.
Production and properties of superduty silica bricks—a review. 60-01386A
- Bhiday, M. R. See Ghaisas, S. V.
- Bhushan, Bharat
Development of rf sputtered chromium oxide coating for wear application. 60-01744A; High temperature low friction surface coating. 60-00747P
- Bi, Chang-hua See Cheng, Ji-jian
- Bianchi, D. See Antonelli, C.
- Bibik, E. E.; Buzunov, D. V.; and Gribanov, N. M.
Kinetics of the formation of colloidal particles of magnetite (ferrites). 60-04025A
- Biceroglu, O.; and Guavin, W. H.
Chlorination kinetics of zirconia in an rf chlorine plasma tail flame. 60-02942A
- Bichbauer, E. See Ude, G.
- Bickel, William S.; Gilliar, Wolfgang; and Bell, Bernard
Light scattering from fibers—a closer look with a new twist. 60-01081A
- Bidermann, L.; and Liepins, J.
Determination of the fusion temperature interval of enamels. 60-03419A
- Biefeld, Renata M.; and White, Sharon Spencer
Temperature/composition phase diagram of the system Bi₂O₃-PbO. 60-03225A
- Biehler, W.; and Tetzler, E.
Preparation and operation of open pits. 60-05485A
- Biel, T. R. See Gac, F. D.
- Bienvu, M. P.; Woodbury, D.; and Rabson, T. A.
Hologram decay in LiNbO₃:Fe with a time varying conductivity. 60-05626A
- Biffi, Giovanni; and Vincenzini, Pietro
Development of white and colored sphere-opacified glasses. 60-02580A
- Biggers, James V. See Bowen, L. J.; Klicker, K. A.
- Bihuniak, P. P.; and Condrate, Robert A., Sr.
Effects of preparation history on TiO₂/SiO₂ glasses. 60-04727A
- Bikbau, M. Ya. See Nudel'man, B. I.
- Bilenko, L. F. See Sizyakov, V. M.
- Bill, R. C. See Shiomi, L. T.
- Billard, Didier; Servoin, Jean-Louis; and Gervais, Francois
High temperature conventional and Fourier-transform infrared spectroscopy of vibrational states in oxide crystals. 60-00801A
- Billat, R. See Deneuille, Alain
- Billington, J. C. See Ward, Melvyn
- Billy, Michel; Labbe, Jean-Claude; and Selvaraj, Alphonso
Structural modifications of silicon oxynitride under thermal constraint. 60-01983A
- Bilsing, Ulrich See Ivanov, Rumen V.
- Bimson, Mavis
Ring "pontil marks" and the emponing of a group of seventh-century Anglo-Saxon glass. 60-03329A
- Bindin, Peter J.
Method of sealing ceramic electrolyte material in electrochemical cells. 60-00582P
- Binev, N. See Pavlova, Yu.
- Biondi, Dennis P. See Johnson, Raymond V.
- Birch, Maurice A.
Microprocessors and ceramics—role of the robot. 60-01547A
- Birch, P. R.; and Jackson, D. V.
Industrial potential of materials recovered from municipal solid waste. 60-03555A
- Birchall, J. D.; Howard, A. J.; and Kendall, K.
Flexural strength and porosity of cements. 60-03360A
- Birgul, O.; Diksic, Mirko; and Yaffe, Leo
X-ray fluorescence analysis of Turkish clays and pottery. 60-00903A
- Birkenfeld, R.
Optimization of cement shipping by means of palletless handling units. 60-02165A
- Birle, John D. See St. Pierre, Philippe D.
- Birolini, P.; and Sammartin, L.
Consideration of explosive properties of pulverized coal in the construction of coal grinding plants. 60-02870A
- Biryukov, M. N.; Maslov, G. N.; and Smorodinnikov, V. P.
Mold for manufacturing abrasive segments. 60-04138P
- Biryukova, T. V. See Proskuryakova, L. M.
- Bischoff, Klaus; and Stratton, Richard W.
Process for the production of ceramic plutonium-uranium nuclear fuel in the form of sintered pellets. 60-01649P
- Bishara, Jerrie I. See Suchanski, Mary R.
- Bisson, G. See Le Doussal, H.
- Biswas, Dipak R.
Strength and fracture toughness of indented glass-nickel compacts. 60-00275A
- Biswas, Dipak R.; and Pujari, V. K.
Verification of the double-torsion equation by using different thickness samples of a machinable glass-ceramic. 60-03715A
- Biswas, S. K. See Mukerji, Joydeb
- Bittner, Hans-Joachim; Scherer, Heribert; and Hanses, Hans
Method of and apparatus for producing glass vessels. 60-00349P
- Bivins, Lawrence; and Smith, Tennyson
Peel testing metallized films. 60-00513A
- Bixner, Lothar H. See Bouchard, Robert J.
- Bjorkle, John W. See Penny, Robert A.
- Bjorkstam, John L.; Ferlioni, Paolo; and Villa, Marco
²³Na second-order quadrupolar shifts and heat capacity anomalies in Na β -alumina. 60-03130A
- Blachere, Jean R. See Sinha, Rakesh Kumar
- Black, Brian D. See Berry, David
- Black, Edward D. See Comperatore, John A.
- Blackburn, Martin J.; Hayden, Steven Z.; and Smith, Michael P.
Sulfur containing refractory for resisting reactive molten metals. 60-02573P
- Blacklock, Katherine; White, H. W.; and Guermen, E.
Specific heats of the pyrochlore compounds Y₂Mo₂O₇ and Y₂Ru₂O₇. 60-03201A
- Blair, Gerald E.; Merry, J. Bradford; and Wylot, James M.
Acousto-optic device and method using tellurite glass composition. 60-03722P
- Blake, David W.; Delgado, Alberto W.; and Sheehan, Gerard M.
High dry hide TiO₂ slurries. 60-00681P
- Blanc, J. J.
Procedure for tracing Bigot curves. 60-02850A
- Blanc, Jean-Pierre; and Meiller, Francois
Novel sand/silicate compositions for foundry molds/cores. 60-01442P
- Blanchet, P. See Cozzi, C.
- Blankenburg, Hans-Joachim; and Nehrlert, Johannes
Properties and use of flint. 60-05486A
- Blankenship, Michael G.
Method of making optical devices. 60-02425P; System for delivering materials to deposition site on optical waveguide blank. 60-01305P
- Blasse, G. See 't Lam, R. U. E.; Krol, Denise M.
- Blattner, G.; Klingshira, C.; and Helbig, R.
Impurity transitions in the photoluminescence spectra of SnO₂. 60-01910A
- Blattner, R. J. See Hopkins, C. G.
- Blatton, B.
Planning of blending beds in the cement industry. 60-02169A
- Bleckmann, Hugo See Stepanek, Premek
- Blinov, V. A.; and Utkina, L. V.
Li-K-aluminosilicate photosensitive glass. 60-02405P
- Bliznyuk, N. I. See Chernes, Kh. A.
- Blomgren, J. L. H. H.
Durability and determination of wear of glazed ceramic floor tiles. 60-00481A; Durability of glazed ceramic floor tiles and the determination of wear. 60-02581A
- Blood, P. See Sandoe, J. N.
- Bloom, D. M. See Liao, Paul Foo-Hung
- Bloss, Wolfgang See Odler, Ivan
- Blumenfeld, John F.
Energy conservation in feeding, forming, and annealing glass containers. 60-01037A
- Blumenthal, Norman C. See Posner, Aaron S.
- Boatner, L. A. See Rappaz, M.
- Bober, Manfred
Spectral reflectivity and emissivity of solid and liquid UO₂ as a function of wavelength, angle of incidence, and polarization. 60-02809A
- Bober, Manfred; Karow, Hans U.; and Mueller, Klaus
Spectral reflectivity and emissivity of liquid ceramics. 60-01980A
- Bobkova, N. M. See Silich, L. M.
- Bobkova, N. M.; and Aksenovich, L. A.
Effect of BaO/SrO ratio on the formation of crystalline phases in Ti glasses. 60-01020A
- Bobkova, N. M.; Gorodetskaya, O. G.; and Gallevich, S. A.
Opaque glaze. 60-05252P
- Bobkova, N. M.; Gorodetskaya, O. G.; and Kozorog, M. G.
Opaque glaze. 60-05255P
- Bobkova, N. M.; Gorodetskaya, O. G.; and Tereshchenko, I. M.
Glaze [transparent, with decreased firing temperature by adding ZnO, CaO, and K₂O]. 60-05243P
- Bobkova, N. M.; Gorodetskaya, O. G.; and Yankovskaya, S. A.
Opaque glaze. 60-05254P
- Bobovich, Ya. S. See Alekseeva, I. P.
- Bobrov, V. S.; and Samofalova, M. M.
Electrode properties of Li aluminoborate glasses. 60-03498A
- Bobrowski, G. S.; and Pistilli, M. F.
Laboratory study of the effects of SO₂ and autoclave expansion of fly ash on concrete expansion and compressive strength. 60-03369A
- Boyle, I. B.; Anfilogov, V. N.; and Zyuzeva, N. A.
Viscosity of silicate and silicate-salt melts. 60-04907A
- Boch, P. See Glandus, J. C.
- Bochko, A. V. See Alekseevskii, V. P.
- Bochynski, Zenon
Internal and surface layer structural analysis of silicate glasses. 60-00190A
- Bock, F. W. See Klein, H. F.
- Bocquet, Gilbert See Motinier, Jacques
- Bocquillon, G.; and Padieu, J.
Polymorphism under pressure of Sm₂Ge₂O₇ and identification of the new phase H in the series of digermanates of rare earths. 60-01953A
- Bodnar, I. V.; Voroshilov, Yu. V.; and Koroza, A. G.
System AgGaS₂-AgGaSe₂. 60-04443A
- Boecker, W.; Landfermann, H.; and Hausner, H.
Influence of powder characteristics on the sintering of α -SiC. 60-04352A
- Boeder, Horst; Goiden, D.; and Rose, Philip George
Carbon fibers—production, properties, and applications. 60-02938A
- Boehm, Hans W.; Herrington, Richard A.; and Oelke, Waldemar W.
Apparatus for thermally severing glass. 60-01214P

- Boehm, L.; and Angell, C. A.
De conductivity and secondary structural relaxations in high conducting Li⁺ glasses. 60-01007A
- Boen, Howard E.; De Munick, Andre R.; and Miller, John H.
Fiber waste and cullet collection process and apparatus therefor. 60-02385P
- Boerrigter, J. A.
Lightweight furnace construction and suitable enamel coatings for a variety of applications. 60-04627A
- Boerrigter, J. A. A.
Parameters for porcelain enameling. 60-00088A
- Boertiz, Siegfried See Daessler, Hans-Guenther
- Boettner, George B. See Bansal, Bihari
- Boeuf, Jean-Marie; Gerest, Pierre; and Lemaire, Henri
Process of preparing ferrite powders. 60-05343P; 60-04095P
- Boganov, A. G. See Trukhin, A. N.
- Boganov, A. G.; Gusev, G. P.; and Rudenko, V. S.
Breakdown threshold of light in high-purity hydroxyl-free quartz glass. 60-04674A
- Bogdanov, B.; Mitev, T.; and Iliev, I.
Growth of single crystals of leucosapphire, with preliminary orientation of the nucleating agent, by the flame melting method. 60-05619A
- Bogdanov, Ya. S.; Dantsiger, A. Ya.; and Zhestikov, V. F.
Changes in the dielectric constant in the tetragonal-rhombohedral transition region in the system based on lead zirconate-titanate. 60-05572A
- Bogdanova, Z. P. See Keshishyan, T. N.
- Boggum, Paul P.
Bottom protection of glass tanks by ceramic-bonded AZS. 60-05057A; Chrome-containing basic materials—experience in the European glass industry. 60-02252A
- Boggum, Paul P.; Carroll, J. A.; and Thomas, E. A.
Paving glassmelting furnaces. 60-03635A
- Bognar, Inge See Pabst, Reiner F.
- Bogodist, I. M.; Komova, R. V.; and Meninnik, E. K.
Charge for preparing grinding bodies. 60-01502P
- Bogomolov, B. I.; Ivanov, G. N.; and Kabantseva, V. S.
Strengthening of calcined Al silicate refractories containing 30–40% Al₂O₃. 60-05184P
- Bogusch, Erich See Helbersberger, Harald
- Bohac, Petr; and Gaumann, Andreas
Partial diagram of the quasi-ternary B₂O₃–Li₂O–La₂O₃ system. 60-01938A
- Boichot, S. J.; and Wilman, H.
Structure and growth of thin films of CdS, CdSe, and CdTe condensed in vacuum onto polished stainless steel substrates at room temperature. 60-01568A
- Boiko, G. V. See Prokhorova, G. N.
- Bois, G. V. See Nenashva, E. A.
- Bois, G. V.; Volkova, V. A.; and Zhukovskii, V. I.
Electrical properties and structure of finely dispersed BaTiO₃, doped with BaTiO₃. 60-04319A; Ferroelectric ceramic material for manufacturing low-voltage ceramic capacitors. 60-05314P
- Bojani, Gian Carlo
History of Faentine ceramics. 60-03317A
- Boldu O., J. L. See Chen, Yok
- Boldyrev, A. S. See Zhavoronkov, N. M.
- Bolen, Charles E. See Marzocchi, Alfred
- Bolin, Nils Johan See Forsberg, Eric
- Boling, Norman L. See McCollister, Howard L.
- Boi'shli, Ya. Ya. See Sedmalis, U.
- Boi'shov, L. A.; Dykhne, M. A.; and Koval'skii, N. G.
Choice of an optimum multichannel Nd:glass laser system for fusion experiments. 60-03450A
- Boi'shov, V. V. See Sofinskii, P. I.; Timashev, V. V.
- Bond, Andrew
Give them enough rope and they'll move 800 tons/h. 60-03363A
- Bondar, V. R. See Paschenko, A. A.
- Bondarenko, A. G.; Mironova, M. L.; and Lelikova, A. I.
Permeability of gases through microporous glass membranes. 60-01122A
- Bondarenko, S. L. See Litovskii, E. Ya.
- Bondarev, K. T.; Varshal, B. G.; and Golikman, V. Yu.
Homogenizing effect of aluminate complexes forming in lithium silicate glasses. 60-00179A
- Bondareva, O. S.; Simonov, M. A.; and Belov, N. V.
Crystal structure of synthetic jímboite Mn₂(BO₃)₂. 60-01862A
- Bondareva, O. S.; Simonov, M. A.; and Egorov-Tismenko, Yu. K.
Crystal structure of LiZn [BO₃] and LiMn [BO₃]. 60-01860A
- Bondoc, Alfredo A.
Novel glass fiber mat. 60-04979P
- Bondoc, Alfredo A.; and Cautilli, Philip A.
Glass fiber mat with improved binder. 60-03751P
- Boni, F. See Guerrieri, G.
- Bonjour, Hans See Bernhard, Rudolf
- Bonk, John A.; and Malmendier, Joseph W.
Sealed beam lamp of borosilicate glass with a sealing glass of zinc silicoborate and a mill addition of cordierite. 60-02443P
- Bonner, William A.; and Van Uiter, L. G.
Technique for the growth of magnetic garnet compositions. 60-04101P
- Bonnin, D. See Levitz, P.
- Boonstra, Alexander H.; Mutsaers, Cornelis A. H. A.; and Van der Kruijs, F. N. G. R.
Resistance material. 60-05344P; 60-05345P
- Booth, John F.
Method and apparatus for firing ceramic products. 60-04182P
- Borchardt, G.; Jaoul, O.; and Scherrer, S.
Formation of silicates by solid-state reactions at high temperature. 60-03087A
- Borchardt, G.; Scherrer, H.; and Weber, S. G.
Local in-depth analysis of ceramic materials by neutral beam secondary ion mass spectrometry. 60-04793A
- Borchardt, G.; Scherrer, S.; and Weber, S. G.
Local in-depth analysis of ceramic materials by neutral beam secondary ion mass spectrometry. 60-02841A
- Borda, Monica See Tinis, Viorica
- Borda, Peter B.; and Legzdins, Peter
Determination of carbon content in carbides by an elemental analyzer. 60-02835A
- Borden, Peter G.
Simple technique for determining the stress at the Si/SiO₂ interface. 60-02857A
- Borders, James A.
Analysis of coatings and thin films using energetic ions. 60-01658A
- Borgnion, J.
Combining flameless atomization and atomic absorption with the plasma torch—a sophisticated technique for analyzing nonconductor products. 60-04143A
- Borik, M. A. See Aleksandrov, V. I.
- Borimchuk, N. I. See Alekseevskii, V. P.
- Borin, A.; Torniati, M.; and Nicotelli, F.
Glass sand deposit in West Africa. 60-01055A
- Borishov, G. B. See Mariroslov, S. M.
- Borisova, Z. U. See Dunaev, A. A.; Kazakova, E. A.; Rykova, T. S.
- Borner, Paul; Isensee, Hans-Jorg; and Vietzke, Horst
Apparatus for the continuous precipitation of uranium peroxide. 60-05396P
- Borodai, F. Ya. See Podobeda, L. G.
- Borodai, F. Ya.; and Makarenkova, R. G.
Porous quartz ceramics. 60-04988P
- Borodai, S. P. See Dem'yanov, V. V.
- Borodavkina, V. V. See Ponomarev, I. F.
- Borum, Marcus P.
Bone implant embodying a composite high and low density fired ceramic construction. 60-02984P; See also Pasco, Wayne D.
- Boros, Jozsef; Csillag, Zsolt; and Ferenzi, Tibor
Process for accelerating the digestion and sedimentation steps on the Bayer alumina process. 60-00688P
- Borowski, Bernard See Vondracek, Frank
- Borrelli, Nicholas F.; and Wedding, Brent M.
Colored photochromic glasses and method. 60-01225P
- Borrelli, Nicholas F.; and Young, Peter L.
Silver halide optical information storage media. 60-02446P; Tin oxide, cadmium chloride doped silver chloride electron beam recording medium. 60-05004P
- Borrmann, Frank See Grafe, Ernst
- Borushko, N. A. See Silich, L. M.
- Borzenkova, M. P. See Ardashnikova, E. I.
- Bose, B. N.
Refractory design for heat savings. 60-00442A
- Bosenko, A. A. See Yanovskii, V. K.
- Bosetti, Renato
Apparatus for boiling ovens for the production of tiles. 60-00624P
- Bothwell, Bruce E.
Metal-ceramic composite and method for making it. 60-05536P
- Botineau, J. See Saissy, A.
- Bottoni, G. See Giarda, L.
- Bouchacouri, M. See Thevenot, F.
- Bouchard, Robert J.; Bixner, Lothar H.; and Popowich, Michael J.
Multilayer ceramic capacitors. 60-00586P
- Boucher, Jacques See Slonina, Jean-Pierre
- Boudot, Jean E.; Roger, Françoise M. M.; and Jeanmaire, Michel P. H.
Sealing glass with high coefficient of absorption for infrared rays. 60-04998P
- Bougnot, G. See Etienne, Daniel
- Boukhari, Ali; Chamindie, J. P.; and Pouchard, M.
Structure of the potassium tantalum fluoride oxide K₂TaF₆O₂. 60-05708A
- Bounini, Larbi
Process for preparing calcined gypsum and gypsum board using lignosulfonates. 60-02217P
- Bouquet, Francis See Battigelli, Jean A.
- Bour, Thomas C.
Bushings environmental control apparatus [glass fibers]. 60-03732P
- Bourgeois, M.
Conversion of the Rombas cement works. 60-04517A
- Bourne, Roger See Budd, Sidney M.
- Bouse, Václav See Moravcik, A.
- Bouse, Václav; Krajina, Antonin; and Moravcik, A.
Possible uses of one-coat enamel for energy plant. 60-00909A; Use of one-coat enamels on parts of energy producing installations and possibilities of application. 60-04651A
- Bouysset, Claude See Bacquet, Gerard
- Bovenkerk, Harold P.
Method for preparing diamond compacts containing single crystal diamond. 60-04243P; Method of making diamond compacts for rock drilling. 60-03304P
- Bovenkerk, Harold P.; and Gigl, Paul D.
Temperature resistant abrasive compact and method for making it. 60-00008P
- Bovin, Jan Olov
High-resolution electron microscopy images of defects in Mg- and Li-stabilized β'-alumina. 60-03097A
- Boving, H. See Maillet, M.
- Bowen, H. Kent
Basic research needs on high temperature ceramics for energy applications. 60-02018A; See also Hodge, J. D.; Mason, Thomas O.; Yoshimura, Masahiro
- Bowen, L. J.; Schuler, Walter A.; and Biggers, James V.
Hot isostatic pressing of PZT materials. 60-01536A
- Bowie, O. L.; and Baratta, F. I.
Load-displacement relation for a cracked rectangular specimen with constrained ends. 60-00637A
- Bowser, W. M. See Evans, H. E.
- Boydzhieva, Kh. See Pavlova, Yu.
- Boyarsina, I. L. See Degiyareva, E. V.
- Boyce, Walter A.
Method of manufacturing a ceramic article. 60-04972P
- Boyd, David C.; Danielson, Paul S.; and Ference, Joseph
Colored soda-lime glassware. 60-01226P
- Boyd, David C.; and Thompson, David A.
Lead-free glasses of high X-ray absorption for cathode ray tubes. 60-04949P
- Boyd, G. D. See Cheng, Julian
- Boyd, J. T. See Dutta, Subhadra
- Boyer, J. P.; and Berger, Richard L.
Influence of temperature increases during the induction period of C-S hydration on the microstructure and strength of C-S mortars. 60-00029A
- Boynton, Robert S. (Editor)
Chemistry and Technology of Lime and Limestone. 60-03263B
- Bozadzhiev, L.
Effect of some additives on the crystallization of pyroxene glasses. 60-04721A; See also Mitev, T.
- Bozler, Carl O.; Chapman, Ralph L.; and Fan, John C. C.
Shallow-homojunction solar cells. 60-00602P
- Bracegirdle, Cyril
Ceramic wares of William DeMorgan. 60-02055A
- Bracht, D.
Use of ultrasonic techniques in the nondestructive testing of refractory products. 60-01412A
- Brachtseuer, Kunibert; and Herchenbach, Horst
Method and apparatus for the thermal treatment of fine-grained material with hot gases. 60-00063P; 60-03402P
- Brachtseuer, Kunibert; Ramesohl, Hubert; and Herchenbach, Horst
Method and apparatus for the thermal treatment of pulverulent material particularly for the calcining of cement. 60-02211P
- Bradbury, M. H.; and Matzke, H.
Self-diffusion of plutonium in high burnup simulated (U,Pu)(C,N) and (U,Pu)(N). 60-05386A
- Bradshaw, A.; and Gater, Robert
Plastic forming in the tableware industry. 60-01484A
- Bradshaw, A. M. See Weaver, John H.
- Bradshaw, Vincent L.
Method of making a ceramic article and article of manufacture [decorated cup]. 60-03992P
- Bradstreet, S. W.; and Davis, L. W.
Considerations for the Metal Matrix Composites Information Analysis Center. 60-00702A
- Bradi, R. C. See Easler, T. E.; Iwasa, Mikio; Semler, Charles E.; Shinkai, Norihiko; Stewart, R. L.; Tanji, Hiroaki
- Brady, D. P.; Fims, F. N.; and Gerstenberg, R. L.
Thermal oxidation and resistivity of tantalum nitride films. 60-01572A
- Brady, Darlene; and Serban, William (Editors)
Stained Glass—A Guide to Information Sources. (Volume 10, Art and Architecture Information Guide Series.) 60-00867B
- Brailko, A. V.; Kaplan, V. A.; and Nesterenko, V. P.
Optical heat-absorbing glass. 60-04983P
- Brainard, William A.; and Wheeler, Donald R.
Adherence of sputtered titanium carbides. 60-01729A
- Braithwaite, David
Glassware forming machines. 60-00334P; 60-00333P; 60-02396P
- Bramham, Fred; and Gorsl, Dorothy
Notes on a fiber kiln. 60-00016A
- Brand, Vincent T. See Sobel, Jay E.
- Branda, F. See Marotta, Alberto
- Branda, F.; Bari, Alberto; and Marotta, A.
Nonisothermal crystallization of disilicate glasses. 60-04812A
- Brander, A. J.
Study tour to three French roofing tile works. 60-00390A
- Brandmayr, Ronald J. See Vig, John R.
- Brandstatter, Hans G.
Production of metal carbides in pure form. 60-04258P
- Brants, A. See Dambekale, M.
- Bratescu, G. G.; Zamfir, Elena; and Beldiceanu, Anca
Optical characteristics of deposited dielectric coatings and the polished coating of the glass support. 60-02323A
- Bratton, R. J. See Singhal, S. C.
- Braun, Camille; Court, Michel; and Ledac, Alain
Measurement of gas permeability of isotropic pyrocarbon coatings. 60-05373A
- Braun, Peter D.; and Kosak, Wolodymyr
Method for epitaxial deposition. 60-05325P
- Braunshtein, D. See Riess, I.

- Brawer, Steven**
Memory effects in the relaxation of glasses—an exactly soluble one-dimensional model. 60-03604A
- Brawer, Steven; and Weber, Marvin J.**
Theoretical study of the structure and optical properties of rare-earth-doped BeF_2 glass. 60-00288A
- Bray, Philip J.** See Jellison, George E., Jr.; Park, Mann J.
- Bray, Philip J.; Feller, S. A.; and Jellison, George E., Jr.**
 ^{11}B NMR studied of the structure of borate glasses. 60-00110A
- Brazgorskaya, A. I.** See Kaminskaya, V. S.
- Breakspear, R. J.; Heath, P. J.; and Jones, J. C.**
New developments in waste glass utilization. 60-03620A
- Breault, Richard D.**
Fuel cell electrolyte reservoir layer and method for making. 60-00547P
- Brebec, G.; Seguin, R.; and Sella, C.**
Diffusion of silicon in amorphous silica. 60-04708A
- Breen, K. R.** See Dieckel, B. M.
- Breeze, Alan** See Ellis, Edric
- Brékhovskikh, S. M.; and Gorodnev, A. I.**
Relationship between thermal stability and strength of multielement ceramics with fractured-surface structures. 60-05688A
- Brelen, Hans E. O.; Dahlberg, Stefan; and Aberg, Ulf I.**
Method for determining the surface weight of a mineral wool mat. 60-01259P
- Bremner, Paul R.** See Eisele, Judith A.
- Brenard, Kris T.**
Application of ceramic decals to hollowware by machine. 60-01463A
- Brenna, Alex** See Christie, Olav H. J.
- Brennan, Alex**
Precast prevents ceramic stopoffs from spalling. 60-02965A
- Brennan, John J.**
Development of energy-absorbing reaction-sintered Si_3N_4 surface layers on hot-pressed Si_3N_4 . 60-05509A
- Brennan, John J.; Galasso, Francis S.; and Hulse, Charles O.**
Method of increasing impact strength of silicon nitride. 60-03005P
- Brett, N. H.** See Peatfield, M.
- Bretz, Karl-Heinrich** See Derleth, Helmut
- Brewer, J. Anthony; Moore, Roger H.; and Reed, James S.**
Effect of relative humidity on the compaction of barium titanate and manganese zinc ferrite agglomerates containing polyvinyl alcohol. 60-01524A
- Brewer, J. D.; Jeffries, B. T.; and Summers, Geoffrey P.**
Low-temperature fluorescence in sapphire. 60-04365A
- Briggs, John** See Trojer, Felix
- Brill, Robert H.; Aiken, Carol A.; and Novick, David T.**
Conservation problems of Zwischengoldglas: 1. Examinations and analyses. 60-03309A
- Brillson, L. J.** See Bauer, R. S.
- Bristowe, P. D.** See Balluffi, R. W.
- Britt, Daniel W.** See Hart, Patrick E.
- Brockelhurst, James D.; Gilchrist, Kevin E.; and Adam, Robin W.**
Method for measuring the viscosity of radioactive waste glasses. 60-02843A
- Brockway, M. C.** See Wills, Roger R.
- Brodin, Gregory C.** See Foster, Richard P.
- Brodsky, M. B.** See Richter, L.
- Brody, Harvey** (Editor)
Book of Low-Fire Ceramics. 60-05747B
- Brodzki, M. I.** See Modabazde, O. E.
- Broer, M. M.; Levey, C. G.; and Strauss, E.**
Variable birefringent beam splitter. 60-04163A
- Broese van Groenou, A.; and Franken, P. E. C.**
Second phase in electroceramics—its detection and usefulness. 60-02700A
- Bron, V. A.; Diesperova, M. I.; and Kosolapov, E. F.**
Effect of phase composition and structure of refractories on their wear in steelmelting converters. 60-01347A
- Bron, V. A.; and Raeva, I. S.**
Impregnation of refractory plates used in gate valves of steel-pouring ladles. 60-00424A
- Brook, R. J.** See Harmer, M. P.; Rahaman, M. N.
- Brooks, C. A.**
Scratch and indentation hardness of crystals. 60-04418A
- Broomfield, G. H.**
Effect of low-fluence neutron irradiation on silver-electroded lead zirconate titanate piezoelectric ceramics. 60-05365A
- Brown, E. I.; and Gabriel, H. M.**
Coating with CVD techniques. 60-05266A
- Brovkova, N. N.**
Opaque glass. 60-01280P
- Brown, D. M.; Chow, Tat-Sing P.; and Gibbons, James F.**
Methods of making composite conductive structures in integrated circuits. 60-00585P
- Brown, D. M.; Heath, Barbara A.; and Coutinas, T.**
Reactive ion beam etching of SiO_2 and polycrystalline silicon. 60-02695A
- Brown, R. G. D.**
Brick diaphragm walls. 60-02463A
- Brown, Russell Charles; and Clark, Neville John**
Knudsen cell vaporization of rare earth nitrides—enthalpy of vaporization of SmN and YbN . 60-01918A
- Brown, Sherman D.** See Drummond, James L.
- Brown, Stanley M.; and Woltermann, Gerald M.**
Zeolitized composite bodies and manufacture thereof. 60-01841P
- Brown, Warren D.** See Bennett, Robert F.
- Brown, William E.**
Refractory composition for forming a monolithic structure. 60-01452P
- Brown, William F.**
Dry wall joint and finishing compounds. 60-02203P
- Browning, P.**
Relative importance of the electronic and radiative contributions to the thermal conductivity of uranium dioxide. 60-05385A
- Bruce, P. G.; and West, Anthony R.**
Phase diagram of the "lithion" solid electrolyte system, $\text{Li}_2\text{GeO}_4\text{-Zn}_2\text{GeO}_4$. 60-03152A
- Bruck, K.**
Fully automatic depalletizing and emptying of sacks containing loose materials. 60-02120A
- Brudnik, A.; Jachimowski, M.; and Kusior, E.**
Electrical properties of dc sputtered $[\text{Pb}(\text{Sn}_{1-x}\text{Sb}_x)]_2\text{O}_3$ films. 60-04010A
- Brudzewski, Kazimierz**
Ellipsometric investigation of quadratic electrooptic and electrostrictive effects in anodic tungsten oxide films. 60-02638A
- Brueckner, Rolf; Chan, H.-U.; and Goretzki, H.**
XPS measurements and structural aspects of silicate and phosphate glasses. 60-01203A
- Brueckner, Rolf; Sammet, Manfred; and Stockhorst, Heinz**
Evidence of structural anisotropies in silicate glass fibers by ESR. 60-01040A
- Bruggemann, H.**
Planning and control of quarrying operations with the aid of geological computer models. 60-02168A
- Bruenger, W.**
Thin film solar absorber consisting of gold particles in silicon dioxide. 60-04048A
- Brugger, Wilhelm**
Process for the manufacture of zirconium oxide from technical calcium zirconate. 60-02924P
- Brugman, J. C.** See Vanadamme, L. K. J.
- Brumfeld, L.** See Cloche, Nicolas
- Brunn, Horst; Bade, Heribert; and Hund, Franz**
Process for the production of iron oxide red pigments. 60-01726P
- Bruton, Timothy M.; Conner, C. F.; and Croft, David A.**
Microstructure and performance of alumina-graphite submerged pouring shrouds and tundish stoppers. 60-03896A
- Bube, Kenneth R.**
Glazing paste for bonding a metal layer to a ceramic substrate. 60-05317P
- Bube, Richard H.** See Tsai, Ming-Jong
- Bubenzer, A.; Hunklinger, S.; and Dransfeld, K.**
Method for measuring extremely low optical absorptions. 60-01672A
- Bublik, V. T.** See Anastas'eva, N. A.
- Bucaro, J. A.** See Lagakos, Nicholas
- Buchanan, M.; Webb, J. B.; and Williams, D. F.**
Preparation of conducting and transparent thin films of tin-doped indium oxide by magnetron sputtering. 60-02689A
- Buchanan, Relva C.** See Wittmer, Dale E.
- Buchner, Heinrich**
Furnace for the heat treatment of lumpy to fine-grained material (limestone). 60-02204P
- Buchvarov, S.** See Sivova, R.
- Buckley, Donald H.** See Miyoshi, Kazuhisa
- Buckman, Raymond W., Jr.** See Yoldas, Bulent E.
- Buday, Tibor**
Shrinkage of Hungarian cements. 60-03381A
- Budd, S. M.**
Towards the stronger glass container. 60-03707A
- Budd, Sidney M.; Cowan, Neil D.; and Bourne, Roger**
Damage to glass surfaces by various materials at elevated temperature. 60-01005A
- Budiansky, B.; Drucker, D. C.; and Kino, G. S.**
Pressure sensitivity of a clad optical fiber. 60-01135A
- Budin, J. P.** See Gueugnon, Catherine
- Bugg, Charles E.** See Einspahr, Howard M.
- Buhl, Christian** See Ritzmann, Attila
- Buhrer, Carl F.**
Ceramic compositions and articles prepared therefrom. 60-05306P
- Bujak, Damjan** See Radonjic, Vjera
- Bukhalova, G. A.; Shegurova, G. A.; and Yagub'yan, E. S.**
Sodium halide-cesium halide system. 60-00830A
- Bukhalova, G. A.; Yagub'yan, E. S.; and Keropyan, V. V.**
System made up of the fluorides and chlorides of sodium, strontium, and barium. 60-03220A
- Buleva, A. V.** See Klyuev, V. P.
- Buldini, Pier Luigi**
Voltammetric techniques in ceramic analysis—the status of the art. 60-02863A
- Buler, P. I.; Esin, O. Yu.; and Toporishchev, G. A.**
Anodic processes in the system iron oxide-borate glassmelt. 60-01021A
- Bullot, J.; Gallais, O.; and Gauthier, M.**
Semiconducting properties of amorphous V_2O_5 layers deposited from gels. 60-02703A
- Bulmer, C. H.** See Burns, W. K.
- Bulmer, C. H.; Burns, S. K.; and Moeller, R. P.**
High-efficiency flip-chip coupling between single-mode fibers and LiNbO_3 channel waveguides. 60-02649A
- Bundi, Manfred** See Schulle, Wolfgang
- Bundy, Francis P.** See Wentorf, Robert H., Jr.
- Bunina, V. P.** See Ivanov, E. V.
- Bunsell, A. R.; Bathias, C.; and Martenchen, A. (Editors)**
Advances in Composite Materials: Vol. 1. 60-04472B; Advances in Composite Materials: Vol. 2. 60-04473B
- Bunshah, Rointan F.** See Jacobson, Birgit E.; Nath, P.; Nimmagadda, R.; Suri, A. K.
- Burdo, R. A.**
Determination of boron, germanium, phosphorus, and silicon in optical waveguide glass by dc plasma emission spectrometry. 60-00131A
- Bures, J.; Lapierre, J.; and Pascale, D.**
Photosensitivity effect in optical fibers—a model for the growth of an interference filter. 60-04825A
- Buresch, F. E.**
Micromechanisms controlling fracture toughness of brittle composites. 60-02960A
- Burgemeister, E. A.; Von Muench, W.; and Pettenpaul, E.**
Thermal conductivity and electrical properties of 6H silicon carbide. 60-02004A
- Burggraaf, Antonie J.** See Stenger, C. G. F.
- Burghelae, Virginia** See Dinescu, Radu; Preda, Maria
- Buri, Alberto** See Branda, F.; Marotta, Alberto
- Burkat, T. M.; Galani, E. I.; and Dobyshin, D. P.**
Ge-Si quartz glasses for optical waveguides. 60-04750A
- Burke, Michael T.**
Briquet forming process and composition. 60-03922P
- Burkin, A. R.; Saricinen, Huseyin; and Steele, B. C. H.**
Preparation of yttria-stabilized zirconia (YSZ) powders by high temperature hydrolysis (HTH). 60-03169A
- Burkov, V. P.** See Trofimchenko, A. V.
- Burmakin, E. I.; and Zhidovimova, S. V.**
Structure of solid solutions in the systems $\text{Li}_2\text{SiO}_3\text{-Li}_2\text{EO}_3$. 60-03206A
- Burnet, George** See Murtha, Marilyn J.
- Burns, David**
Firing the last coal bottle oven in England. 60-00010A
- Burns, Gerald; and Dacol, F. H.**
Lattice modes in ferroelectric perovskites: III. Soft modes in BaTiO_3 . 60-03119A
- Burns, S. J.** See Majumdar, B. S.
- Burns, W. K.; Moeller, R. P.; and Bulmer, C. H.**
Optical waveguide channel branches in Ti-diffused LiNbO_3 . 60-01119A
- Burrisi, N.** See Lazzarini, L.
- Burton, D. E.**
Lubricants in glass bottle manufacture. 60-04795A
- Burzo, Emil; and Ardelean, Ioan**
Iron valence states in $\text{B}_2\text{O}_3\text{-PbO-GeO}_2$ glasses. 60-04784A; Moessbauer effect study of iron cations in lead borate glasses. 60-04806A
- Burzo, Emil; Ardelean, Ioan; and Ursu, I.**
Physical properties of $20\text{Fe}_2\text{O}_3\cdot 80[\text{3B}_2\text{O}_3(1-x)\text{PbO}x\text{GeO}_2]$ glasses. 60-02328A
- Burzo, Emil; Ursu, I.; and Ungur, D.**
Influence of equilibration time on the physical properties of $\text{B}_2\text{O}_3\text{-PbO-Fe}_2\text{O}_3$ glasses. 60-01061A
- Buscemi, Paul J.** See Hench, Larry L.
- Busch, Dieter M.; and McAlonan, Christopher G.**
Method of making a segmented cup grinding wheel. 60-02049P
- Busch, Ray** See Pawlewicz, W. T.
- Bush, A. A.; and Venetsev, Yu. N.**
New antiferroelectric 4PbO-GeO_2 . 60-01933A
- Bushueva, E. B.** See Nekrasov, I. Ya.
- Busse, Horst** See Krueger, B.
- Buster, J. H. J. M.** See Verweij, Henk
- Butler, B. L.** See Tick, Paul A.
- Butler, Barry L.**
R & D overview emphasizing solar thermal power systems. 60-02883A
- Butler, Gregg G.**
Production of nuclear fuel pellets. 60-04126P
- Butt, Yu. M.; Sychev, M. M.; and Timashev, V. V.**
Chemical Technology of Binders (Khimicheskaya Tekhnologiya V'yazhushchikh Materialov). 60-03262B
- Button, D. P.** See Tuller, H. L.
- Button, D. P.; Tandon, R. P.; and Tuller, H. L.**
Fast Li^+ conduction in chloroborate glasses. 60-01041A
- Butyleva, E. S.; and Isakova, L. A.**
Glaze [with increased fusibility range and heat resistance]. 60-05244P
- Buzayeva, T. P.** See Konval, E. M.
- Buzayeva, T. M.** See Grishenkov, E. E.
- Buzunov, O. V.** See Bilib, E. E.
- Buzell, J. A.** See Bandyopadhyay, Gautam
- Byars, Joseph B.** See Lyke, Larry R.
- Byers, Stanley A.; and Bauer, William C.**
Update on the consolidation and preheating of glass batch in the United States. 60-01193A
- Byers, Stanley A.; McKee, James R., Sr.; and Gridley, Marvin C.**
Rapid strength development in compacting glass batch materials. 60-01292P
- Bykov, A. B.** See Belyaev, L. M.; Timofeeva, V. A.
- Bykov, A. B.; and Timofeeva, V. A.**
Phase equilibria in the "solvent-garnet" system. 60-01943A
- Bykova, S. N.** See Timashev, V. V.
- Bystrov, V. S.; and Rolov, B. N.**
Thermodynamics of ferroelectric materials during the localization of electrons on nuclei near the first-order transition point. 60-04457A

- Cabannes, François; Mauran, Jean-Claude; and Hyrien, Michel**
Radiative heat transfer in fiber glass insulating materials as related to their optical properties. 60-00254A
- Cabrero Castillo, J. M.** See Arizmendi, L.
- Cadoz, J.** See Castaing, J.
- Cahn, R. W.**
Metallic glasses. 60-03606A
- Caines, R. Scott**
Vermicular expanded graphite composite material. 60-04271P
- Calas, G.** See Levitz, P.
- Caldwell, Robert E.**
Method for forming shaped buried layers in semiconductor devices utilizing etching, epitaxial deposition, and oxide formation. 60-02755P
- Call, P. J.** See Priestley, E. B.
- Callias, H.** See Almond, Darryl P.
- Calogero, S.** See Lazzarini, L.
- Calvert, L. D.** See Le Page, Y.
- Camara, Boubacar**
Electron spin resonance and its use in ceramics. 60-05428A;
Electron spin resonance and its use in ceramics. [continued] 60-05429A; See also Sellner, Christiane
- Cambier, F.** See Anseau, M. R.
- Carmean, C.**
Thermoinsulating refractory concrete lining for heat treatment furnaces. 60-01408A
- Campbell, Donald E.; and Marsaud, Serge G.**
Rapid determination of fluorine, down to 0.1 wt%, in glass by X-ray fluorescence spectrometry. 60-03652A
- Campbell, Malcolm D.**
Impact-resisting composites. 60-04240P
- Campet, Guy; Vernolle, Jean; and Doumerc, Jean-Pierre**
Photoelectronic process in transition-element-doped *n*-type TiO₂ electrodes. 60-01551A
- Canali, C.; Malavasi, D.; and Morten, B.**
Piezoresistive effects in thick-film resistors. 60-02686A
- Candolfo, D.** See Giarda, L.
- Canonaco, Rudy** See Frank, Robert G.
- Capon, A.; Maggs, F. A. P.; and Robins, G. A.**
Mechanical properties of activated charcoal cloth. 60-02958A
- Capozziello, David J.** See Capozziello, Leonard J.
- Capozziello, Leonard J.; and Capozziello, David J.**
Package and method for transporting loose brick. 60-02507P
- Caprigno, Richard A.**
Downtime protection for annealing lehrs. 60-02266A
- Caputo, Anthony J.; Costanzo, Dante A.; and Lackey, W. J.**
Method of evaluating the integrity of the outer carbon layer of tris-coated reactor fuel particles. 60-00616P
- Carbol, V.; and Simmingskoeld, B. K. W.**
Possibility of energy saving by change of glass composition. 60-01129A
- Carcey, Jacques P.**
Equipment for sintering under pressure. 60-01656P
- Cariati, Francesco** See Balducci, Luigi
- Carin, Vladimir** See Matkovic, Boris
- Cariset, Sylvain** See Urbain, Georges
- Carleton, G. Robert**
Gas hearth bed with grooved exit portion. 60-02387P
- Carley, Earl P.**
High strength composite of resin, helically wound fibers, and twisted continuous fibers and method of its formation. 60-00337P
- Carley, Earl P.; and Ackley, Richard H.**
High strength composite of resin, helically wound fibers, and chopped fibers and method of its formation. 60-00336P
- Carlson, P. J.** See Berglund, S. E.
- Carlson, Robert K.; and Ferritto, James J.**
Manufacture of high density, high strength isotropic graphite. 60-00750P
- Carlsson, A. E.** See Huisman, L. M.
- Carnevale, A.** See Bell, R. J.; Peterson, George Earl
- Carniani, G.** See Sandrolini, Franco
- Carpenter, D. A.** See Holcombe, Cressie E., Jr.
- Carrier, G. B.**
Characterization of glasses and ceramics with the analytical electron microscope. 60-00120A
- Carrière, G. W.**
Contamination of hard-fired ceramics during sampling with diamond burrs. 60-02059A
- Carriazo, I.; Criado, J. M.; and Gonzalez Garcia, F.**
Effect of experimental conditions on the kinetics of thermal decomposition reactions of CaCO₃. 60-01882A
- Carroll, J. A.** See Boggum, Paul P.
- Caria, M.**
Mineralogical applications of raw materials for glass. 60-01097A
- Carter, Alfred G.; and Sinkovec, M. George**
Production experience with a pickle-free enameling system. 60-04640A
- Carter, C. B.; Donald, A. M.; and Sass, S. L.**
Study of grain boundary thickness using electron diffraction techniques. 60-01988A
- Carter, C. B.; Kohstedt, D. L.; and Sass, S. L.**
Electron diffraction and microscopy studies of the structure of grain boundaries in Al₂O₃. 60-00788A
- Carter, C. B.; and Sass, S. L.**
Electron diffraction and microscopy techniques for studying grain-boundary structure. 60-04322A
- Carter, Dean Edwin; and Fernando, Q.**
Chemical toxicology: II, Metal toxicity. 60-01852A
- Case, E. D.; Smyth, Jay R.; and Hunter, Orville, Jr.**
Grain-size dependence of microcrack initiation in brittle materials. 60-03092A
- Case, E. D.; Smyth, Jay R.; and Monthei, V.**
Grain-size determinations. 60-03094A
- Case, W. E.** See Chivian, J. S.
- Cash, Theodore P.** See Holt, John P.
- Caslavsky, Jaroslav I.; and Vlechnicki, Dennis J.**
Melting behavior and metastability of yttrium aluminum garnet (YAG) and YAlO₃, determined by optical differential thermal analysis. 60-00510A
- Caspar, Jean-Pierre; and Gaillard, Jacques**
Novel binder and its utilization for preparing quick-setting mortars and microconcretes. 60-00066P
- Caspo, Michael A.**
Thermally conductive partition. 60-00673P
- Cassens, Nicholas, Jr.**
Refractory gun mix. 60-02561P; 60-05178P
- Castaing, J.; Cadoz, J.; and Kirby, S. H.**
Prismatic slip of Al₂O₃ single crystals below 1000°C in compression under hydrostatic pressure. 60-05680A
- Castellani, Mauro** See Giordano, Vito Lorenzo
- Castellano, R. N.**
Deposition of thin films of PZT by a focused ion beam sputtering technique. 60-04002A
- Castelli, Mr.**
Electrostatic spraying of powdered enamel into hollow parts. 60-00084A
- Castelli, P.**
Electrostatic atomization of enamel powder in drawn shapes. 60-04607A
- Castells, X. E.**
Design of the quick-firing curve. 60-05455A
- Castro, E. M.; and Beynon, J.**
Some aspects of the dc resistivity of annealed Mn-SiO₂ films. 60-02707A
- Caswell, Bruce F.**
Process for preparing agglomerates of clays. 60-00689P
- Caswell, David J.; and Podmore, Dennis**
Ceramic casting technology from [the] U.K. 60-02577A
- Catherine, Yves; and Turban, Guy**
Infrared absorption of hydrogenated amorphous Si-C and Ge-C films. 60-02657A
- Catlow, C. R. A.** See MacInnes, D. A.
- Catlow, C. R. A.; and Stoneham, A. M.**
Defect equilibria in transition metal oxides. 60-04294A
- Caudill, Garry C.** See Chaillie, Charles E.
- Cautilli, Philip A.** See Bondoc, Alfredo A.
- Cava, R. J.; Roth, Robert S.; and Minor, D. B.**
Revised ThO₂-Nb₂O₅ phase diagram. 60-04416A
- Cavanagh, John R.** See Clingman, David L.
- Cavanagh, G. Thomas** See Stewart, Bobbie G.
- Cederqvist, Gunnar N.; and Aberg, Ulf L.**
Method of producing a mineral fiber product. 60-02552P
- Cederqvist, Nils G.; Helsten, Karl M. E.; and Henriksson, Kersin E.**
Process for separating mineral wool fibers from nonfibrous materials. 60-02559P
- Celler, George K.; Kimerling, Lionel C.; and Leamy, Harry J.**
Patterned epitaxial regrowth using overlapping pulsed irradiation. 60-01616P
- Cernoch, S. F.** (Editor)
Heat Technology for Refractory and Heavy Clay Ceramics in Tunnel Kilns (Waermetechnik fuer Feuereste und Grob-Keramik bei Tunnelofen). 60-05754B
- Cerofolini, Gianfranco; Ferial, Giuseppe; and Spadini, Giampaolo**
Determination of the state density at the Si-SiO₂ interface. 60-04003A
- Chaban, N. F.; Kuz'ma, Yu. B.; and Gerasim, I. D.**
Test methods and properties of materials—[Ti, Zr, Hf]-Gd-B systems. 60-01997A
- Chackrabarty, D. M.** See Jayadevan, N. C.
- Chadda, Madan M.; and Maier, Reinhold**
Method for producing semiconductor bodies having a defined edge profile which has been obtained by etching and is covered with a glass. 60-01605P
- Chadi, D. J.** See Laughlin, R. B.
- Chaillie, Charles E.; Oxford, Roger C.; and Caudill, Garry C.**
Ceramic fiber board linings for furnaces operating at 1200-1480°C (2200-2700°F). 60-03870A
- Chait, Arthur L.; and Polz, Thomas F.**
Use of response surface methodology in reformulating and optimizing vitreous bonds. 60-05135A
- Chaklader, A. C. D.** See Sallam, E. H.
- Chakraborty, D.; and Mukerji, Joydeb**
Characterization of silicon nitride single crystals and polycrystalline reaction-sintered silicon nitride by microhardness measurements. 60-03041A
- Chakraverty, J. P.** See Gac, F. D.
- Chakravorty, D.** See Das, G. C.
- Chakurov, I.** See Marinov, M.
- Chamberlain, J. M.** See Ball, G. J.
- Chambers, David H.; and Sussey, Peter E.**
Lehr curtain project. 60-01079A
- Chambers, Hubert H.; and Tear, Brian J.**
Method of treating inorganic oxide pigments. 60-00686P
- Chaminade, J. P.** See Boukhari, Ali
- Champommier, F.** See Mirraz, J. C.
- Chan, N.-H.** See Sharma, R. K.
- Chan, N.-H.; Sharma, R. K.; and Smyth, Donald M.**
Nonstoichiometry in undoped BaTiO₃. 60-05284A
- Chandler, P. J.; Jaque, F.; and Townsend, P. D.**
Ion beam induced luminescence in fused silica. 60-04357A
- Chandra, Satish**
Interaction of BaCl₂ and BaCO₃ at elevated temperatures. 60-04354A
- Chandra, Usen** See Jain, Dhanech C.
- Chandratraya, S. S.; Fulrath, Richard M.; and Pask, Joseph A.**
Reaction mechanisms in the formation of PZT solid solutions. 60-04407A
- Chang, Chin-An; Chang, Leroy I.; and Tsaki, Len**
Molecular-beam epitaxy system and method including hydrogen treatment. 60-02776P
- Chang, Leroy I.** See Chang, Chin-An
- Chang, Long F.; and Kozit, Robert F.**
Apparatus for molding plastic articles. 60-00303P
- Chang, Luke L. Y.** See Spinner, Gerard E.; Tyron, R. Michael
- Chang, William S. C.** See Mueller, Craig T.
- Chang, William S. C.; and Ashley, Paul R.**
Fresnel lenses in optical waveguides. 60-02285A
- Chantikul, P.** See Anstis, G. R.; Lawn, Brian R.
- Chantikul, P.; Anstis, G. R.; and Lawn, Brian R.**
Critical evaluation of indentation techniques for measuring fracture toughness: II, Stressing method. 60-05580A
- Chantikul, P.; Lawn, Brian R.; and Marshall, D. B.**
Micromechanics of flaw growth in static fatigue—influence of residual contact stresses. 60-04369A
- Chapman, Ralph L.** See Bozler, Carl O.
- Charles, Harry K., Jr.**
Ceramics in photovoltaic energy conversion. 60-00499A
- Charles, Richard J.** See Prochazka, Svante
- Charleston, Robert J.** (Editor)
Masterpieces of Glass—A World History from the Corning Museum of Glass. 60-02032B
- Charlesworth, Frank D. W.; Dover, William D.; and Taylor, Kenneth A.**
Probes and apparatus for and methods of measuring crack depths. 60-04168P
- Charlet, Alain; Coquery, Jean-Paul; and Mounier, François**
Apparatus for the thermal conversion of gypsum. 60-02199P
- Charlier, H.** See Colombin, L.
- Chastel, Jacques** See Virakis, Georges
- Chatillon, Christian** See Allibert, Michel
- Chatraraj, B. D.; and Chatterjee, M. K.**
Benefit of magnesian—an alternate approach. 60-05473A
- Chatterjee, M. K.** See Chatteraj, B. D.; Samanta, C.
- Chatterjee, R. N.**
Ceramics in electronic devices. 60-00498A
- Chatterji, S.**
CaO/SiO₂ mole ratio of calcium silicate hydrate in fully hydrated tricalcium silicate paste. 60-03340A; Comment on "Analytical electron microscopy of cement pastes: I. Tricalcium silicate pastes." 60-02085A
- Chatopadhyaya, D.; and Mandal, S. S.**
Setup for measuring thermal conductivity of thin insulating samples with special reference to Indian mica. 60-05448A
- Chau, Y. C.** See Kwok, H. L.
- Chaudhuri, P.; Giesen, B. C.; and Turnbull, D.**
Metallic glasses. 60-03607A
- Chaudhuri, S. M.** See Ghosh, S. V.
- Chaudhuri, A. K.; Das, Sanku K.; and Thakur, R. I.**
Photochromic glasses. 60-03638A
- Chaudhuri, B. B.**
Sensitivity analysis of optical waveguides. 60-04040A
- Chebotarev, S. A.** See Yakhkind, A. K.
- Cheshkin, V. V.**
Method of measuring thermal conductivity. 60-02844A
- Chechilewska, A.; and Przekonski, K.**
Measurement of phosphorus concentration profiles in chemically vapor-deposited phosphosilicate glass by precision etching. 60-02307A
- Chekhovskii, V. G.** See Shev'yakov, A. M.
- Chekhovskii, V. Ya.** See Layev, L. N.
- Chekhovskoi, V. Ya.; Zhukova, I. A.; and Tarasov, V. D.**
Enthalpy and heat capacity of zirconium dioxide in the range 1100-2500 K. 60-04325A
- Chelnokov, A. A.** See Stupeneva, V. M.
- Chemekova, T. Yu.** See Ganits, F.
- Chermeko, L. G.**
Optimization of properties of glass-ceramic coatings based on the selective effect of RO-type oxides. 60-03631A
- Chemillier, P.**
Evolution of construction toward compatible components. 60-00711A
- Chen, C. H.; and Tai, K. I.**
Whisker growth induced by Ag photopodding in glassy Ge₂Se₃ films. 60-05738A
- Chen, Chin-Lin** See Bennett, G. A.
- Chen, H. S.**
Glassy metals. 60-03542A
- Chen, Haydn** See Park, J. W.
- Chen, Jinn-Ruey; Hsueh, Mau-Phon; and Hsueh, Shen-Kan**
Oxidation mechanisms in TiSi₃ films on single silicon substrates. 60-05285A
- Chen, Nai Y.; Miale, Joseph N.; and Reagan, William J.**
Method of producing a steam stable aluminosilicate zeolite catalyst. 60-01819P
- Chen, Peter J.; and Land, Cecil E.**
Variations of strain and light scattering accompanying domain switching in lead lanthanum zirconate titanate ceramics. 60-05302A

- Chen, Shi-ping**
Heating behavior of several ancient glazes. 60-00891A
- Chen, Shu-chun; Qi, Chang-hong; and Dai, Feng-mei**
Spectral properties of Nd³⁺ in glass. 60-04869A
- Chen, Wei-Kong** See Peterson, Norman Lee
- Chen, Wei-Kong; and Peterson, Norman Lee**
Iron diffusion and electrical conductivity in magnesio-wustite solid solution (Mg,FeO). 60-03116A; Isotope effect for cation diffusion in CoO. 60-03117A
- Chen, Wen-hao** See Xue, Jun-gan
- Chen, Xue-shan** See Zhang, Gan-cheng
- Chen, Yuk** See Orera, V. M.
- Chen, Yuk; Kernohan, R. H.; and Boldu O., J. L.**
Enhancement of electrical conductivity in MgO due to lithium impurities. 60-01894A
- Cheng, C. L.** See Hwang, Huey-Liang
- Cheng, Chang-yin**
Structure and properties of glasses in the ternary system PbO-Al₂O₃-B₂O₃. 60-04880A
- Cheng, Ji-jian; Zhang, Guan-tin; and Bi, Chang-hua**
Structure and properties of R₂O(Na₂O, K₂O)-Al₂O₃-SiO₂ glasses. 60-04879A
- Cheng, Julian; Boyd, G. D.; and Storz, F. G.**
Scanning electron microscope study of columnar topography and liquid-crystal alignment on obliquely deposited oxide surfaces at low rates. 60-03184A
- Chenot, Charles F.**
Strontium-calcium fluorapatite phosphors and fluorescent lamp containing them. 60-03814P
- Chentemirov, M. G.; Lukienko, E. P.; and Parsamian, L. O.**
Porous heat-insulation material. 60-01445P
- Cherches, Kh. A.; Biliznyuk, N. I.; and Dashchinskii, I. G.**
Reaction of La chloride with Na silicates in aqueous solution. 60-04843A
- Cherenko, Joseph; Frey, William I.; and Kelly, Joseph D.**
Release molds for laminating bilayer safety glass. 60-04996P
- Cherkashin, N. V.** See Yamshchikov, V. S.
- Cherkashin, Yu. S.; Litvinova, V. A.; and Orlov, B. A.**
Properties of cement clinkers synthesized at a low temperature. 60-04560A
- Cherkashin, Yu. S.; Orlov, B. A.; and Komolev, V. S.**
Thermal properties of cement clinkers synthesized at low temperatures. 60-04573A
- Cherkashin, Yu. S.; Samsonova, L. S.; and Sorokin, Yu. V.**
Gypsum-based binder. 60-04587P
- Chernant, J. L.** See Osterstock, F.
- Chernikova, V. V.; and Haumenbaum, B. L.**
Heat stability of glass containers during the sterilization of preserved foods. 60-04764A
- Chernov, A. A.** See Temkin, D. E.
- Chernov, B. G.** See Perchik, E. B.
- Chernov, V. G.** See Morozov, V. N.
- Chernyavskaya, T. G.; Shcheglova, O. V.; and Tikhomirova, N. E.**
Bath composition for strengthening glass articles by ion exchange. 60-04919P
- Chernyavskii, V. I.** See Ol'ginskii, A. G.
- Chernyshov, A. V.** See Balashov, Yu. S.
- Chernyshova, G. I.** See Andreev, I. V.
- Chescoe, D.** See Bailey, John Edward
- Chesler, Ronald B.** See Dabby, Franklin W.
- Chesnokova, S. M.** See Abramov, V. V.
- Chester, Victor**
Composition of a conductive ceramic glaze and improved method of forming it. 60-05237P
- Chetani, A. R.** See Mahan, M. K.
- Chew, Remedios K.** See Pastor, Ricardo C.
- Chiang, Peter T.**
Method of separating iron from uranium. 60-02813P
- Chiang, Shu-Sheng; Nishioka, Michihiro; and Fulrath, Richard M.**
Effect of processing on microstructure and properties of PZT ceramics. 60-02627A
- Chiang, Y. M.; Henriksen, A. F.; and Kingery, W. D.**
Characterization of grain-boundary segregation in MgO. 60-04283A
- Chikh, V. I.** See Shipynova, I. G.
- Child, Frank S.**
Decorating developments in flat glass and containers. 60-02259A; Trends in flat glass manufacturing. 60-02351A
- Chilikina, T. D.** See Petrova, V. Z.
- Chimenti, Robert J. L.**
Detection of uranium by light-induced luminescence. 60-01685P; See also De Neufville, J. P.; Kasdan, A.
- Chinoine, Naoki** See Mizutshi, Kenichi
- Chioia, Vincent** See Faria, Sixdenis
- Chiocean, Vinilia** See Ducea, Mihaela
- Chirino, Agustin M.** See Hoskins, J.
- Chirino, Agustin M.; and Yost, Gerald H.**
Hermetic seals. 60-00335P
- Chirkov, I. V.** See Polezhaev, Yu. V.
- Chiron, Georges**
Control [drying] of impregnant or coating material. 60-01227P
- Chiron, Georges; and Giles, Maurice R.**
Adjustment of the quantity of impregnating or coating material. 60-01204P
- Chivian, J. S.; Case, W. E.; and Rester, D. H.**
10.6 μ m scan laser with programmable VO; mirror. 60-03997A
- Chlebik, A.** See McMillan, Peter W.
- Chmel, A.** See Eron'ko, S. B.
- Cho, S. A.; Puerta, M.; and Cols, B.**
Sintering behavior of Al₂O₃-Cr and Al₂O₃-Cr(NO₃)₃ mixtures. 60-01972A
- Choi, Lung** See Ahn, Young-Pil
- Choi, Sang-Hoel** See Oh, Hea-Kab
- Chollet, L.** See Rudolf, F.
- Choo, W. K.** See Jeong, Y. M.
- Chopra, S. K.; Narang, K. C.; and Babu, K. H.**
Research and utilization of Indian fly ashes in cement manufacture—an overview. 60-03380A
- Chow, C. L.; and Woo, C. W.**
Fracture studies with DCB [double cantilever beam] specimen. 60-00634A
- Chow, Tat-Sing P.** See Brown, D. M.
- Chrisman, Max G.**
Process for controlling molten glass variables. 60-04991P; Production of platinum group metal layer on a refractory. 60-01628P
- Chrisman, Max G.; Ganzah, Gary W.; and Tiede, Ralph I.**
Method and apparatus for mixing and homogenizing molten glass. 60-04955P
- Christensen, R. M. (Editor)**
Mechanics of Composite Materials. 60-00862B
- Christian, Paul A.; De Salvo, Francis J., Jr.; and Murphy, Donald W.**
Nonaqueous secondary cell using vanadium oxide positive electrode. 60-00589P
- Christiansen, Jorgen B.**
Furnace lining and method of manufacture. 60-00663P
- Christie, Olav H. J.; Brenna, J. A.; and Straume, E.**
Multivariate classification of Roman glasses found in Norway. 60-00894A
- Christie, W. H.; Eby, R. E.; and Warmack, R. J.**
Determination of boron and lithium in nuclear materials by secondary ion mass spectrometry. 60-05425A
- Christmeier, P.** See Dörner, H. W.
- Christou, Aristos** See Davey, John E.
- Christy, R. I.; and Ludwig, H. R.**
RF sputtered MoS₂; parameter effects on wear life. 60-01784A
- Chronberg, Sten**
Method and machine for manufacturing a plate-like material made from agglomerated particles and in particular ceramic products obtained thereby. 60-02748P; Process and device for displacing firing plates through a tunnel kiln. 60-02904P
- Chu, P. L.; and Saeki, C.**
Chau, P. L.; and Perle, D.
Holographic measurement of refractive-index profile in the transition region of an optical fiber preform. 60-03547A
- Chu, Tze Y.; Jaluria, Yogesh; and Lavigna, Robert J.**
Method for avoiding undesirable deposits in crystal growing operations. 60-02749P
- Chuang, Tze-Jer** See Rice, James R.
- Chubarov, V. M.** See Kalabukhova, S. V.
- Chubb, W.**
Mobility of gas bubbles in uranium dioxide. 60-05378A
- Chudo, Akira; Sugii, Tomomitsu; and Kataoka, Kouji**
Expansive solidifying material. 60-03393P
- Chun, H.-U.** See Brueckner, Rolf
- Chung, C. H.; Lezal, D.; and Mackenzie, John D.**
Electrical properties of V₂O₅-PbO-GeO₂ glasses. 60-03494A
- Chung, C. H.; and Mackenzie, John D.**
Electrical properties of binary semiconducting oxide glasses containing 55 mol% V₂O₅. 60-01031A
- Chung, C. H.; Mackenzie, John D.; and Murawski, L.**
Electrical properties of semiconducting oxide glasses. 60-03495A
- Chung, H. M.; and Kassner, T. F.**
Pseudobinary Zr-alloy-oxygen phase diagram. 60-04403A
- Chung, K.-H.** See Gbogi, E. O.
- Chunyaeva, L. V.** See Yakovleva, T. P.
- Chytek, Stanislav** See Devikovskiy, Milan
- Chyung, Kenneth** See Wusirika, Raja R.
- Chyung, Kenneth; and Wusirika, Raja R.**
Preparation of oxynitride glass-ceramics. 60-00366P
- Ciambelli, Paolo** See Bagnasco, Giovanni
- Ciarlo, Julie; and Nicholson, Patrick S.**
Sintering of MgF₂-LiF solid solutions. 60-05696A
- Cillero, F.**
Industrial powder enameling. 60-04619A
- Cindins, R.** See Andersons, U.
- Cinti, Giovanni; and Sordelli, Danilo**
Present trends in the interpretation of air pollution measurements. 60-00854A
- Ciocea, Nicolae** See Teoreanu, Ion
- Ciocea, Nicolae; Deica, N.; and Brumfeld, L.**
Domestic monolithic refractories used to line pusher-type furnaces. 60-01344A
- Ciomartian, Dan**
Series-chemical analysis for the quantitative control of raw materials and glasses, by means of the fluorescent X-ray emission method. 60-05447A
- Ciontea, Nicolae; and Tinkis, Viorica**
Bentonite based ceramic pigments. 60-05188A
- Cios, Irena; and Domanska, Krystyna**
Ash from combustion of petrochemical sludge as a binding material for soil stabilization. 60-00905A
- Ciszek, Theodore F.**
Method of growing a ribbon crystal particularly suited for facilitating automated control of ribbon width. 60-00573P
- Ciszek, Theodore F.; and Schwatke, Guenter H.**
Method for directional solidification of silicon. 60-02751P
- Claassen, George R.**
Double link arrangement for press bending molds. 60-02382P; See also Thomas, Dean L.
- Classen, George R.; and Mickelle, Raymond J.**
Molds for press bending glass sheets. 60-04977P
- Classen, Hans C.** See White, Art F.
- Clark, David E.** See Ethridge, Edwin C.
- Clark, David E.; and Ethridge, Edwin C.**
Corrosion of glass enamels. 60-03418A
- Clark, Garth**
Art Deco ceramics—England. 60-00883A
- Clark, Grady W.; Holder, John D.; and Pauto, Arvid E.**
Internal zone growth method for producing metal oxide metal eutectic composites. 60-01810P
- Clark, J. Robert; and Viets, John G.**
Multielement extraction system for the determination of 18 trace elements in geochemical samples. 60-05435A
- Clark, Neville John** See Brown, Russell Charles
- Clarke, David R.**
Preferential dissolution of an intergranular amorphous phase in a nuclear waste ceramic. 60-04116A; See also Morgan, P. E. D.
- Clarke, Gerry**
Zeolites—take off for the "tuff" guys. 60-04190A
- Clarke, John Ross; and Greene, Joseph Edward**
Reactively evaporated photoconductive PbO—phase transformations induced by water vapor. 60-01556A
- Clausen, Edward M.**
Laser cutting of ceramic tubing. 60-02823P
- Cluuss, Ulrich** See Kralh, Karl
- Clausen, Niis** See Kosmac, Thomaz
- Clausen, Niis; and Wallace, J. S.**
Mechanical properties of sintered, in-situ-reacted mullite-zirconia composites—reply. 60-04217A
- Clavaud, Bernard A.** See Kiehl, Jean-Pierre
- Clawson, Arthur R.; Lum, Wing Y.; and McWilliams, Gerald E.**
Method of liquid phase epitaxial growth. 60-04078P
- Claypool, Ralph J.** See Laughlin, Sidney J.
- Claypool, Stewart A.; and Wixson, Arthur J.**
Method for coating optical waveguide filaments. 60-03769P
- Clefield, A.; Jirusthipong, P.; and Cotman, R. N.**
Synthesis of sodium dizirconium triphosphate from α -zirconium phosphate. 60-01992A
- Cleary, James G.; and Zymboly, Gregory E.**
Method of reducing radioactive waste and of recovering uranium from it. 60-04124P
- Clemens, Kevin** See Kawamoto, Yoji; Markis, Joanne H.
- Clemens, Kevin; Yoshiyagawa, M.; and Tomozawa, Minoru**
Liquid-liquid immiscibility in BaO-B₂O₃. 60-03590A
- Clerici, C.; Mancini, R.; and Morandini Frisa, A.**
Optical microscopic and differential thermal-adhesion techniques for the separation of glass pieces [from urban solid wastes]. 60-00233A
- Clerici, C.; and Morandini Frisa, A.**
Recovery of feldspar and quartz from Alpine rocks. 60-01716A
- Cleveland, Joseph J.**
Method for producing high strength low expansion cordierite bodies. 60-01602P
- Cline, Carl F.** See Heard, H. C.
- Cline, Carl F.; and Weber, Marvin J.**
Beryllium fluoride optical glasses—manufacture and properties. 60-03439A
- Cline, Harvey E.** See Erikson, Carl A.
- Clingman, David L.; Cavanagh, John R.; and Schechter, Beriton**
Abradable ceramic seal and method of making it. 60-05525P
- Clucas, Richard H.** See Atkinson, Alan W.
- Clyde, Robert A.; and Crandall, William B.**
Multipurpose ceramic [filter] element. 60-02826P
- Coakley, Thomas A.; Rubadue, John E.; and Forman, Carl E.**
Nondiscoloring glass strand size. 60-02431P
- Coates, Neil H.; and Sharp, Edward G.**
Coal burning is wrapped in red tape. 60-04173A
- Coath, J. A.; and Wislhire, B.**
Influence of variations in composition on the creep behavior of doloma. 60-03107A
- Coburn, J. W.** See Gerlach-Meyer, U.
- Cochran, K. M.** See Solomon, Alvin A.
- Cocks, F. H.** See Locher, J. W.
- Coffman, D. H.**
Low cost glass fiber cutter. 60-03593A
- Coggin, Charles H., Jr.; and Jones, John L., Jr.**
Apparatus and method for drawing of glass fiber. 60-04912P; Apparatus for drawing of glass fiber. 60-01211P
- Cognet, M.; and Duveigneau, Ch.**
Small scale cement plants for the developing world. 60-02187A
- Cohausz, Walther**
Works of art in enamel. 60-04508A
- Cohen, Joseph; and Adjemian, Alain**
Process for obtaining pure alumina by the hydrochloric attack of aluminous ores and extraction of the impurities by means of a sulfuric treatment. 60-01725P
- Cohen, Joseph; Adjemian, Alain; and Ferran, Michel**
Continuous process for obtaining pure alumina from acidic liquor originating from chlorosulfuric attack of aluminous ore and for purification of the liquor freed from the alumina. 60-01721P
- Cohen, Leonard G.** See Lin, Chinlin

- Cohen, Leonard G.; and Jang, S. J.
Interrelation between water absorption loss and dispersion in multimode fiber. 60-03565A
- Cohen, Leonard G.; Mammel, W. L.; and Preshey, H. M.
Correlation between numerical predictions and measurements of single-mode fiber dispersion characteristics. 60-00997A
- Cohen, Marshall J.; and Harris, James S., Jr.
Schottky barrier solar cell. 60-00600P
- Cole, W. F.; and Peppinkhouse, H. J.
Long-term experiments on the weathering of terra cotta roofing tiles. 60-05023A
- Cole, William E. See Sakhuja, Ravi
- Colegrove, George T.
Sag resistant portland cement compositions. 60-00075P
- Coleman, John H.
Method of forming semiconducting materials and barriers. 60-00572P
- Collard, Gene
Three-color glass decoration. 60-01187A
- Collepardi, Mario
Cement research in Italy. 60-02079A
- Collepardi, Mario; Monosi, Saveria; and Moriconi, Giacomo
Combined effect of lignosulfonate and carbonate on pure portland clinker compounds hydration: I. Tetracalcium aluminoferrite hydration. 60-02084A
- Collie, M. J. (Editor)
Industrial Abrasive Materials and Compositions. 60-04477B
- Cullier, James A. See Lin, Lawrence Y.
- Colomban, P. See Barbau, M.
- Colomban, P.; and Badot, J. C.
Microwave heating method of firing ceramics in 1990! 60-01698A
- Colombin, L.; Charlier, H.; and Jelli, A.
Penetration of tin in the bottom surface of float glass—a synthesis. 60-00239A
- Cols, B. See Cho, S. A.
- Colville, J.
Simplified design of load bearing brick masonry walls. 60-03850A
- Colville, J.; and Hendry, A. W.
Tests of a load bearing masonry structure. 60-03855A
- Combemale, Y. See D'Auria, L.
- Communal, Jean-Noel See Falcoz, Pierre
- Comperatore, John A.; Black, Edward D.; and Wise, David J.
Apparatus for bending glass sheets to complicated curvatures using localized supplementary heating. 60-01209P
- Comperatore, John A.; Wise, David J.; and Black, Edward D.
Shaping glass sheets by gravity sag bending followed by blow forming. 60-01298P
- Condon, James B. See Holcombe, Cressie E., Jr.
- Condrate, Robert A., Sr. See Bihuniak, P. P.
- Conedy, Joseph J. See Reich, Harry
- Connolly, Tom F. See Keese, Anne M.
- Conrad, Gerhard; Ullrich, Bernd; and Kummer, Joachim
Scanning electron microscopy for characterization of transformation behavior of commercial aluminum hydroxides and aluminas. 60-05443A
- Conrad, John W. (Editor)
Contemporary Ceramic Formulas—Featuring Formulas for Today's Needs. 60-03269B
- Constantin, C.; and Vida, M. (Editors)
Casting in Ceramic Molds (Lit'e v Keramicheskie Formy). 60-05748B
- Contre, Michel; Martin, Philippe; and Quetier, Monique
Boron carbide [and] La, Sr, and/or Ba hexaboride ceramic material for a low temperature direct heating electric gun cathode. 60-04231P
- Conway, Bernard W.; Fegley, Nelson L.; and Moran, James
Process for producing a uniform fiber dispersion and machine made lightweight glass fiber web material. 60-01830P
- Conway, J. C., Jr.; and Kirchner, Henry P.
Mechanics of crack initiation and propagation beneath a moving sharp indenter. 60-01670A
- Cook, R. F.; Lawn, Brian R.; and Dabbs, T. P.
Effect of machining damage on the strength of a glass-ceramic. 60-04719A
- Cook, S. D. See Weinstein, A. M.
- Cooke, R. E.
Oregon Portland Cement's new plant at Durkee, in eastern Oregon, USA. 60-02167A
- Cookson, P. See Smith, D. A.
- Coombs, B. A.
Mechanization of brickworks and the limits of profitability. Adverse factors when considering mechanization. 60-05025A
- Cooper, A. R.
Analysis of glass batch preheating. 60-00976A; Proposed definition for the thermal efficiency of glassmelting furnaces. 60-03646A; See also Abou-el-leil, Mahmoud; Reddy, K. P. R.; Shaisha, E. E.
- Cooper, C. F.
Graphite-containing refractories. 60-02515A; See also Bruton, Timothy M.
- Cooper, Emmanuel (Editor)
Potter's Book of Glaze Recipes. 60-02033B
- Cooper, Emmanuel; and Royle, Derek
Special glaze effects. 60-00897A
- Cooper, J. E.
Development of mechanical decoration. 60-05408A
- Conper, Roy G. See Leary, David F.
- Copeland, Robert (Editor)
Spode's Willow Pattern and Other Designs After the Chinese. 60-00866B
- Copelin, Harry B.
Pd/SiO₂ hydrogenation catalyst suitable for H₂O manufacture. 60-01824P
- Coquery, Jean-Paul See Charlet, Alain
- Cora, Galeazzo
Ceramic jug produced in Montelupo dated A.D. 1435 (1455?). 60-03307A
- Corato, R.; and Pilastro, F.
Optimum design of passive loading for reducing energy consumption. 60-02881A
- Corbett, Daniel W.; and Guile, Donald L.
Gelled solder glass suspensions for sealing glass or ceramic parts. 60-03749P
- Cordaro, J. F. See Kelly, J. E., III; Tomozawa, Minoru
- Cornaz, Michael
Container plant of the future. 60-02255A
- Corrades, Istvan; and Gal, Tibor
Spark-source mass spectrometric studies of the Al₂O₃ species. 60-01979A
- Cornie, J. A.; Suplinskas, R.; and Hauze, A. W.
Filament surface enhancement for casting and hot molding SiC/Al composites. 60-00712A
- Corriveau, B. C. See Eror, Nicholas G.
- Corradi, Ariello R. See Montino, Franco
- Corradini, Giorgio; Secchia, Giancarlo; and Volpe, Roberto
Technoeconomic aspects in concrete mix proportioning: I. Factorial experimentation applied to the study of the physico-mechanical properties of a normal concrete. 60-00050A
- Corrigan, Francis R.
Large boron nitride abrasive particles. 60-00879P
- Costa, Umberto
Simplified adiabatic calorimeter. 60-00045A; See also Massazza, Franco
- Costanzo, Dante A. See Caputo, Anthony J.
- Costello, J. A.; and Tressler, Richard E.
Oxidation kinetics of hot-pressed and sintered α -SiC. 60-04377A
- Costello, J. A.; Tressler, Richard E.; and Tsong, I. S. T.
Boron redistribution in sintered α -SiC during thermal oxidation. 60-04275A
- Cota, Mario E.; and Gurtler, Richard W.
Apparatus and method for producing polycrystalline ribbon. 60-02726P
- Cotman, R. N. See Clearfield, A.
- Cotterell, B. See Mai, Y. W.
- Cottet, Y.
Modern installation (Lafarge Conseils et Etudes) using numerical information for control. 60-00037A
- Coty, P. J.; Lane, A. D.; and Lee, J. B.
Design review of ceramic components for turbine engines. 60-02944A
- Coudamy, Jacques
New concepts for kilns. 60-00654A
- Coudurier, Maurice See Donnet, Jean-Baptiste
- Coulomb, G.; and Symes, W. R.
Ceramic fibers of 95% alumina for insulation up to 1600°C. 60-00400A
- Court, Michel
See Braun, Camille
- Coutomas, T. See Brown, D. M.
- Cowan, Neil D. See Budd, Sidney M.
- Cox, D. E. See Ray, Siba P.
- Coyle, R. T.; Lind, M. A.; and Shelby, J. E.
Properties of a solar alumina-borosilicate sheet glass. 60-00250A
- Cozzi, C.; Blanchet, P.; and Segond, J.
Furnace throat and its functions. 60-03525A
- Craievich, Aldo F. See Zanotto, Edgar Dutra
- Crampon, J. See Duclos, R.
- Crampon, J.; and Escail, B.
Mechanical properties of fine-grained magnesium oxide at large compressive strains. 60-00811A; Mechanical properties of fine-grained magnesium oxide at large compressive strains—correction. 60-04367A
- Crandall, William B. See Clyde, Robert A.
- Crandall, William B.; and Wasserstein, Linda J.
Ceramic utensils. 60-01501P
- Creedon, J. See Garofalini, Stephen H.
- Crepeau, Charles E.; and Mulvey, Robert F.
Thermal insulation material. 60-01461P
- Crescitelli, Silvestro See Bagnasco, Giovanni
- Cressy, G.; and Lorek, G.
Use of butane in industry—liquid phase distribution and appropriate vaporization processes. 60-00659A
- Criado, J. M. See Carrizosa, I.
- Crilly, Patrick J.
Identifying steel soils. 60-04618A
- Crisp, Stephen See Wilson, Alan D.
- Croce, P. See Nevot, L.
- Croft, David A. See Bruton, Timothy M.
- Croft, William J. See Moon, Kenneth A.
- Crooker, J.
Assembly problems related to design and porcelain enameling. 60-00082A
- Crooks, James H. See Stokes, John J., Jr.
- Crookston, James A.
High density low porosity refractory product and process for making it. 60-01435P
- Crosset, Michel; and Velasco, Gonzalo
Process for growing a superficial dielectric structure on a substrate, made of a chemical compound, comprising at least two elements. 60-04088P
- Cross, Leslie E. See Gururaja, T. R.; Jang, S. J.; Sa Neto, A.; Setter, N.; Tongson, Luis L.; Uchino, Kenji
- Cross, Leslie E.; Newnham, Robert E.; and Skinner, Doyle P.
Flexible piezoelectric composite transducers. 60-00545P
- Crowe, Yolande
Persian variations on a Chinese [porcelain] motif. 60-03325A
- Crowther, Russell L.
Nuclear reactor utilizing plutonium. 60-02815P
- Cruce, Antonio
Apparatus for the production of large glass containers. 60-00307P
- Csillag, Zsolt See Boros, Jozsef
- Cuendet, Francois
Electrostatic powder application and installations. 60-04608A; Enameling with electrostatic powder and its equipment. 60-02227A
- Cull, Neville L.; and Sawyer, Willard H.
Zirconia-containing catalysts. 60-03024P
- Culp, Charles R.
Method of making a smooth, dimensionally stable, mica-filled, glass fiber sheet. 60-02422P
- Curelariu, I. M.; Suominen, E.; and Ahlqvist, P.
Excited states in yttrium orthovanadate studied by electron-energy-loss spectroscopy and X-ray photoelectron spectroscopy. 60-04328A
- Cursio, Frederick H.
Graphite fiber alignment process and apparatus. 60-05531P
- Cusano, Dominic A.; Holub, Fred F.; and Prochazka, Svanite
Ceramic-like scintillators. 60-01581P
- Cussino, Luciano See Bachiorni, Alessandro
- Cussino, Luciano; and Saini, Alberto
Clinker dust content and the factors affecting it. 60-02082A
- Cuthbertson, Charles R. See Lamond, Trevor G.
- Cybusky, Michael See Tarkelson, Bruce E.
- Czepel, Hubert See Pieh, Stefan
- Da Deppo, Luigi; and Zaupa, Francesco
Measurements of environmental effects on concrete shrinkage over long periods. 60-00035A
- Dabbs, T. P. See Cook, R. F.
- Dabhy, Franklin W.; and Chesler, Ronald B.
Method for continuously monitoring the composition of glass particulate during the production of optical fiber. 60-01258P
- Dabosi, F. See Lingstuyf, O.
- Dacot, F. H. See Burns, Gerald
- Dadze, T. P. See Nekrasov, I. Ya.
- Daessler, Hans-Guenther; and Boertzig, Siegfried
Environmental stress in the vicinity of cement plants. 60-04532A
- Dahlberg, Stefan See Brelen, Hans E. O.
- Dai, Feng-mei See Chen, Shu-chun
- Daikoku, Kazuhiro See Sugimura, Akira
- Dailey, Rodney E. See Marcantonio, Arnold F.
- Daimon, Keiji See Kato, Eisuru
- Daimon, Masaki See Kondo, Renichi; Song, Chong Tak
- Daks, Mark L.; Kim, Bumman; and Schlafer, John
Method for mounting microsphere coupling lenses on optical fibers. 60-04961P
- Dalal, K. H.; and Raj, Rishi
Kinetics of dissolution and crystallization in a β -spodumene glass-ceramic. 60-03575A
- Dalal, Vikram L.
Amorphous semiconductor solar cell. 60-02725P
- Dale, L. S.
Emission spectrographic determination of boron in silicate materials. 60-05430A
- Dale, Rush S. See Yearick, Daniel R.
- Dalgleish, B. J.; Pratt, P. L.; and Rawlings, R. D.
Fracture toughness testing of ceramics and acoustic emission. 60-01665A
- Dalgaard, D. See Pinault, R.
- Dall'igna, R.
Mechanical strength and fracture resistance of glass. 60-00212A
- Dalrymple, R. S.; Moore, R. E.; and Kilareski, Walter P.
Corrosion-induced deterioration of reinforced concrete—an overview. [Discussion]. 60-02091A
- Davi, P. Y. See Kulkarni, A. K.
- Dambekalne, M.; Grevska, V. A.; and Brants, A.
Synthesis and physicochemical properties of solid solutions in the ternary system PbMg_{1-x}Nb_{2x-1}O₇ - PbNi_{1-x}Nb_{2x-1}O₇ - PbZn_{1-x}Nb_{2x-1}O₇ [PMN-PNN-PZN]. 60-04439A
- Dambekalne, M.; Jansone, G.; and Brants, A.
Piezoelectric ceramic material. 60-01619P
- Damdinov, D. G. See Sanditov, D. S.
- Damen, Cornelis P. T. M. See Tijburg, Rudolf P.
- Damiguet, Jean J. See Kraszewski, Richard
- Dammann, R. E. See Wedell, R. K.
- Damke, V.
Measurement of the physical-chemical properties of oxide melts. 60-03599A
- D'Angelo, Franco
Gela-type [or protomajolica] medieval ceramics with decorations of North African influence. 60-03314A
- Dani, Sandor
Control of technological processes in the cement industry [with a computer]. 60-03345A

- Daniel, Jack L. See Hart, Patrick E.
- Daniels, William H.; Dennis, Mahlon D.; and Feingold, Earl
Abrasive structures and methods of their preparation.
60-02042P
- Danielson, P. S. See Ma, D. S.
- Danielson, P. S.; and Schreurs, Jan W. H.
Optical and EPR absorptions of iron in alkaline earth
alumino-silicate glasses. 60-00232A
- Danielson, Paul S.
Detergent-durable glasses. 60-02379P; See also Boyd, David
C.
- Danielson, Paul S.; Dumbagh, William H., Jr.; and Hagy,
Henry E.
Glass for sealing to molybdenum metal. 60-02390P
- Danilov, V. I.; Zvonkov, B. N.; and Karpovich, I. A.
Growing CdSnP₂ single crystals using the temperature gradi-
ent. 60-01901A
- Daniilova, R. A. See Sizonenko, A. P.
- Danjo, Hiroyuki; and Osaki, Yukio
Automatic spraying equipment for a small round duct.
60-05053A
- Danjo, Hiroyuki; Yoritani, Eiichi; and Sawada, Shojiro
Gunning refractories. 60-03929P
- Dannheim, Henning; and Oel, Heribert J.
Effect of surface defects on the mechanical strength of
ceramic materials for high tension insulators. 60-05202A
- Danon, J. See Enriquez, C. R.
- Dantsiger, A. Ya. See Bogdanov, Ya. S.
- Danyushevskii, S. I.; Nikiforov, Yu. V.; and Fedulova,
V. V.
Improving the quality of Portland cements. 60-04543A
- Dau, K. C. See Shockey, D. A.
- Dapkus, P. Daniel See Dupuis, Russell D.
- Darling, Sharon S. (Editor)
Chicago Ceramics & Glass—An Illustrated History from
1871 to 1933. 60-03266B
- Darlington, C. N. W. See Ahlert, M.
- Darnell, Alfred J.
Europium carboxide and method of preparing it. 60-01645P
- Das, A. R. See Ghosh, P. K.
- Das, Amarendra; and Ray, Animesh
Voltage developed in an inhomogeneous piezoelectric quartz
bar due to finite bending. 60-05303A
- Das, B. K. See Jain, G. C.
- Das, C. See Nandi, D. N.
- Das, C. R.
Chemical durability of sodium silicate glasses containing
Al₂O₃ and ZrO₂. 60-03446A; Effect of alumina and zirconia
on the reactions of glasses with aqueous solutions.
60-03483A
- Das, G. C.; and Chakravorty, D.
Memory switching in glass-metal particulate systems.
60-02673A
- Das, Sali K. See Chaudhuri, A. K.; Kundu, P.
- Das, Santosh K.; and Kaminsky, Manfred S.
Deuterium and helium ion irradiation effects on TiB₂
coatings. 60-01743A
- Das, Santosh K.; Kaminsky, Manfred S.; and Rovner, Lee
H.
Carbon coatings for fusion applications. 60-01734A
- Das, Saroj Kanti See Dwivedi, R. N.
- Das, Saroj Kanti; Dwivedi, R. N.; and Thiagarajan, S.
Nucleation and crystallization of some Na₂O-Al₂O₃-SiO₂ and
Na₂O-BaO-Al₂O₃-SiO₂ glasses. 60-00229A
- Das, Saroj Kanti; Kundu, P.; and Thakur, R. L.
Nucleation and crystallization of a slag-based glass.
60-01110A
- Dasgupta, S.; and Sinha, B. C.
Stepwise complexometric determination of calcium and
[plus] magnesium, and manganese in blast furnace slags and
manganese minerals. 60-05451A
- Dashchinskii, L. G. See Cherches, Kh. A.
- Das Poddar, P. K. See Mitra, N. K.
- Datsenko, B. M. See Kruglitskii, N. N.; Moroz, B. I.
- Daudi, Stephen W. See Wood, Charles L.
- Dauguet, Jean-Claude; Mazzone, Jean-Pierre; and Moreau,
Pierre
Polishing material for ophthalmic lenses. 60-00365P
- D'Auria, L.; Combemale, Y.; and Moronvalle, C.
High index micro lenses for GaAlAs laser-fiber coupling.
60-02647A
- Dautremont-Smith, W. C. See Beni, Gerardo; Hackwood,
S.
- De, John E.; and Christou, Aristos
Method for epitaxial growth of GaAs films and devices con-
figuration independent of GaAs substrate utilizing molecular
beam epitaxy and substrate removal techniques. 60-00564P
- Davidez, R. I. See Kuatladze, K. S.
- Davies, S. R.; and Ahmed, A. E.
Approximate method for analyzing composite wall/beams.
60-03822A
- Davis, Allen D., Jr.
Surface cord analysis and potential sources. 60-02343A
- Davis, Howard F., Jr.; and Persson, John A.
Method for producing cement clinker from cement kiln
waste dust. 60-02212P
- Davis, James F.
Trends in process control systems. I. 60-03710A
- Davis, L. W. See Bradstreet, S. W.
- Davis, N. C. See Matthews, R. B.
- Davis, R. F. See Hon, M. H.
- Davis, W. R.; and Downs, A. M.
Hot-wire test—a critical review and comparison with the BS
1902 panel test. 60-01667A
- Davis, W. R.; Moore, F.; and Downs, A. M.
Hot-wire method for the determination of thermal conduc-
tivity—castables and modifications to the standard method.
60-04149A
- Davydenko, L. S.; and Shmatok, L. K.
Crystallization in the system GeO₂-2Na₂O-9GeO₂.
60-00126A
- Davydov, V. Ya.; and Kiselev, A. V.
Adsorption of water on silica. 60-03026A
- Davydova, O. V. See Obidina, S. P.
- Dawkins, D. B. See Tracz, M.
- Dawson, David G.; Osmond, Desmond W. J.; and Skinner,
Maurice I.
Cementitious compositions. 60-00936P
- Dawson, Gregg W. See Dawson, Paul R.
- Dawson, Paul R.; and Dawson, Gregg W.
Apparatus and method for specific gravity measurement.
60-05452P
- Day, Clive R. See Beales, Keith John
- Day, Delbert E. See Doi, A.; Hong, Chi-Ming; Jannek,
H. D.; Oesterholm, Heidi H.; Rahmani, S. F.
- Day, Gordon W. See Franzen, Douglas L.
- Day, J. P.
Chemical reactivity in ceramic heat exchangers. 60-02511A
- Dazhuk, K. V.; Golik, E. M.; and Vakapchuk, N. P.
Addition of Kirovograd clay to batches for the production of
ceramic wares. 60-01327A
- Dazhuk, K. V.; and Krivosonova, N. T.
Widening the color pattern of facing tiles. 60-03982A
- De Ahna, H. D.
Inclusion pigments—new types of ceramic stains and their
applications. 60-01478A
- De Aza, S. See Pena, P.
- De Biasi, R. S.; and Rodrigues, D. C. S.
Influence of chromium concentration and particle size on the
ESR linewidth of Al₂O₃:Cr³⁺ powders. 60-04351A
- De Billy, M. See Barron, J. L.
- De Brouckere, Lucien C.
Crystalline layer growth method. 60-02732P
- De Chusby, Kevin
Lesson from Pueblo Pottery. 60-00014A
- De Coninck, W.; and Moulin, G.
New Mazanderan Gypsum Co. 1000 ton/day gypsum plant
near Semnan, Iran. 60-02156A
- De Diana, G. C. See Rizzo, G.
- De Fonton, Sylvie; Oberlin, Agnes; and Inagaki, Michio
Characterization by electron microscopy of carbon phases
(intermediate turbostratic phase and graphite) in hard car-
bons when heat-treated under pressure. 60-04282A
- De Groot, K. See Peelen, Jan G. J.
- De Hollander, William R.
Method for treating a particulate nuclear fuel material.
60-01648P
- De Iasi, Richard See Kivlighn, Herbert D., Jr.
- De Jonge, L. S.
Silt for the brick industry. 60-02495A
- De Jonge, L. S.; and Van der Vlist, E.
Waste products application in the Netherlands heavy clay in-
dustry. 60-00391A
- De Jonghe, Lutgard C.
Comments on "High-resolution electron microscopy images
of defects in Mg- and Li-stabilized β -alumina" [by Jan
Oliv Bovin]. 60-03044A; See also Ray, Michael C.
- De Jonghe, Lutgard C.; and Feldman, Leslie
Local electrode current density and flaw decoration of
sodium beta-alumina. 60-00509A
- De Jonghe, Lutgard C.; Feldman, Leslie; and Beuchele,
Andrew
Slow degradation and electron conduction in
sodium/beta-aluminas. 60-04422A
- De L'Epervier, A. Grandin; Shukla, V. N.; and Payne, David A.
Crystal growth of bismuth tungstate. 60-04289A
- De Leeuw, H. J.
Experience with replacement of hot-water air heaters by gas
burners in a chamber dryer. 60-02474A
- De Leon, Noel; Larsen, Arno I. M.; and Knudsen, Poul E.
Large crystal float zone apparatus. 60-04067P
- De Muinck, Andre R. See Boen, Howard E.
- De Neufville, J. P. See Kasdan, A.
- De Neufville, J. P.; Kasdan, A.; and Chimenti, Robert J.
L.
Selective detection of uranium by laser-induced
fluorescence—a potential remote-sensing technique. I. Opti-
cal characteristics of uranyl geologic targets. 60-04157A
- De Panafieu, Arnaud; Baylac, Christiane; and Nemaud, Yves
Process for the production of graded index optical fibers.
60-02440P
- De Pape, R. See Miranday, J.-P.
- De Pons, Olivier
Silicon nitride-based sintering composition. 60-04264P
- De Salvo, Francis J., Jr. See Christian, Paul A.
- De Souza Santos, Persio
Synthetic inorganic nonmetallic fibers—a review.
60-05127A; Technological panorama of industrial ceramics.
60-05745A; See also Solano, Leila
- De Vecchi, Michel; and Hulin, Jean-Pierre
Optical fiber laying head for cable production. 60-02432P
- De Vries, Robert C. See Lee, Minyoung; Wentorf, Robert
H., Jr.
- De Vries, Robert C.; Lee, Minyoung; and Szala, Lawrence
E.
Polycrystalline diamond body and process. 60-01825P
- De Witte, F. W. See Lakshmi, G.
- De With, G.; and Hattu, N.
Influence of CaO doping on the fracture toughness of hot-
pressed Al₂O₃. 60-04350A
- Debenham, Colin H. See Mesch, Hans G.
- Debenham, M.; Dew, G. D.; and Putland, D. E.
Improved recording refractometer for optical glasses in the
wavelength range 300 to 2600 nm. 60-03551A
- Decasper, J.
Comparison between roller mills and ball mills for cement
raw material grinding. 60-02086A
- Dechev, G. Kh. See Aleksandrov, V. I.
- Decker, D. L. See Soileau, M. J.
- Decker, Helmut See Scheidig, Klaus
- Decker, Len
Automated for increased production. 60-02245A
- Decker, Cheryl A.; and Peters, Debra A.
Optimization of thin film wetting and adhesion behavior.
60-04035A
- Decker, Cheryl A.; and Schnable, George L.
Silicon nitride and silicon oxide etchant. 60-05348P
- Deeg, Emil W.
Apparatus for supporting lenses during heat treatment.
60-00305P
- Degtyareva, E. V.; Boyarin, I. L.; and Gul'ko, N. V.
Reaction of corundum with Na phosphates [in refractories].
60-03905A
- Dehesa, C. See Rodriguez, T.
- Deheul, A.; and Sinsollier, C.
Determination of heat of reaction by differential thermal
analysis. 60-02872A
- Deica, N. See Clocea, Nicolae
- Deimontovich, V. B. See Bezykornov, A. I.
- Deju, Radu; and Turcanu, C. N.
Study of external friction during UO₂ powder compaction.
60-02810A
- Dekamenko, V. M.; and Vasilova, V. V.
Phase equilibrium in the system Nb-Ti-O. 60-04387A
- Dekkiche, E. A.; Prevot, A.; and En-Naamani, A.
Study of ring formation by the segmentation method.
60-04568A
- Del Nero, G. L. See Azzoni, C. B.
- Delanuy, G. See Ropars, F.
- Delattre, Jean-Pierre
Apparatus for the manufacture of a window by detachment
of the edges of a sheet of glass along a score. 60-00306P
- Delgado, Alberto W. See Blake, David W.
- Deline, V. R. See Hopkins, C. G.
- Della Faille de Leverghem, M. See Baes, Emile
- Delobel, J.
Contributions of ceramic fibers to new technologies.
60-00403A
- Delon, J. F. See Latapie, J. P.
- Delvalle, Pierre
Isotopic enrichment of uranium with respect to an isotope.
60-01646P
- Dembovskii, S. A.
Interchangeability of atoms in chalcogenide glass-forming
systems. 60-00189A
- Demchishin, A. V. See Movchan, B. A.
- Demers, Robert R.
Method of slicing a wafer. 60-00583P
- Demidenko, A. F. See Koschenko, V. I.
- Demidenko, N. I.; Vlasov, A. S.; and Skidan, B. S.
Crystallized composite materials in the systems WC-Co and
Ta-Co, Cr, Ni, Al alloys. 60-05506A
- Demina, L. A.; Dolgikh, V. A.; and Popovkin, B. A.
Physicochemical studies in the system Bi₂O₃-TeO₂.
60-05673A
- Deminet, Czeslaw
Method of manufacturing a glass parabolic-cylindrical solar
collector. 60-02426P
- Deminet, Czeslaw; and Oettel, Richard E.
Process for fabricating glass-encapsulated solar cell arrays
and the product produced thereby. 60-01288P
- Demskeya, E. L. See Galakhov, F. Ya.
- Dem'yaneis, L. N. See Merinov, N. V.
- Dem'yaneis, L. N.; and Nosyrev, N. A.
Hydrothermal crystallization of sodium zirconogermanates.
60-01909A
- Dem'yanov, V. V.; Anisimova, T. I.; and Borodai, S. P.
Dielectric spectra of some ceramic materials from the radio-
frequency to optical region of wavelengths. 60-04706A
- Dem'yanova, L. E. See Glukhovskii, V. D.
- Dem'yanova, L. E.; Mank, V. V.; and Krivenko, P. V.
Mechanism of bleaching of silicate materials in the Na₂O-
MgO-Fe₂O₃-SiO₂ system based on serpentinite. 60-05647A
- Deneke, Klaus; and Lenz, Arnold
Process for the separation of radioactive impurities of bad-
delevite. 60-04196P
- Deneville, Alain; Gerard, P.; and Billat, R.
Principles and operation of an all solid state electrochromic
display based on α -WO₃. 60-02690A
- Deng, Bai
Decorative art pottery and porcelain in ancient China.
60-00889A
- Deng, Pei-zhen; Zhang, Shou-du; and Wang, Hao-bing
Self-centered dislocations in Nd-doped YAG crystals.
60-05693A
- Denison, Don E.
Method for manufacturing concrete brick in block-like ar-
rises and forming shipping packs therefrom. 60-05040P
- Denker, B. I. See Avanesov, A. G.

- Denker, B. I.; Kornienko, L. S.; and Maksimova, G. V.**
Radiation-induced paramagnetic centers in phosphate glass containing Li_2O , La_2O_3 , and rare-earth oxide. 60-00253A
- Dennis, Mahlon D.** See Daniels, William H.
- Dennis, Mahlon D.; and Gijl, Paul D.**
Composite compact of interleaved polycrystalline particles and cemented carbide masses. 60-02991P
- Denton, D. M.**
Necessity and possibilities for international standardization in testing and quality designation of refractories. 60-02520A
- Detuschuk, P.** See Greenough, R. D.
- Deppe, Antonius**
Cylindrical rotary kiln with satellite cooling tubes. 60-00056P
- Dereser, Ernst**
Glass fiber size composition and process. 60-01240P
- Dergunova, N. V.; Sakhenko, V. P.; and Fesenko, E. G.**
Calculation of crystal lattice parameters of solid solutions of oxides with a perovskite-type structure. 60-01848A
- Derie, Rene; and Ghodsi, Mehdi**
Adhesion of enamel. 60-00081A
- Derkacs, Thomas**
High-frequency ultrasonic inspection of gas turbine ceramics. 60-00714A
- Derleth, Helmut; Walter, Ludwig; and Bretz, Karl-Heinrich**
Process for preparing a substantially crystalline sodium aluminosilicate. 60-02921P
- Deryagin, B. V.** See Fedoseev, D. V.
- Desa, J. A. Erwin** See Sinclair, Roger N.; Wright, Adrian Carl
- Deshkovskaya, A. A.**
Factors affecting the value of the Poole coefficient in glasses. 60-00161A
- Deshpande, L. V.; Joshi, M. B.; and Mishra, R. B.**
Angle of polarization and refractive indices of BaTiO_3 . 60-01845A; Further refinements of the Duc de Chaulnes method to determine the principal refractive indices of small doubly-refracting crystals. 60-01666A
- Despujols, J.** See Ropars, F.
- Desu, S. B.; and Subbarao, E. C.**
Inhibition of reduction of BaTiO_3 . 60-00806A
- Deublein, G.** See Eichinger, G.
- Deussner, Herbert**
Apparatus for the production of ceramic clinkers from moist agglomerated raw material. 60-00054P; Method and apparatus for the production of ceramic clinkers from moist agglomerated raw material. 60-02210P
- Deutsch, T. F.** See Ehrlich, D. J.
- Devlikanova, R. U.** See Fesenko, E. G.
- Dew, G. D.** See Denbham, M.
- Dew-Hughes, David**
Method of making V_6Ge superconductors. 60-00576P
- Dew-Hughes, David; and Jones, Robert**
Effect of neutron irradiation on the superconducting critical temperature of some transition-metal carbides, nitrides, and carbonitrides. 60-03071A
- Dewees, Thomas J.; Fangman, John S.; and Lin, Wen**
Double crucible crystal growing process. 60-02734P
- Dewey, John L.; Scott, Charles E.; and Kane, James F.**
Alumina production by nitric acid extraction of clay. 60-02914P
- Dhargupta, K. K.** See Mukerji, Joydeb
- Dharyal, K. D.; and Rai, Mohan**
Calcium-silicate-bonded-asbestos insulated products. 60-01334A
- Di Carlo, J. A.; and Williams, W.**
Dynamic modulus and damping of boron, silicon carbide, and alumina fibers. 60-00706A
- Di Maria, D. J.** See Hartstein, A.
- Di Maria, D. J.; and Dong, D. W.**
High current injection into SiO_2 from Si-rich SiO_2 films and experimental applications. 60-02645A
- Di Maria, D. J.; Ghez, R.; and Dong, D. W.**
Charge trapping studies in SiO_2 using high current injection from Si-rich SiO_2 films. 60-05265A
- Di Rupo, E.** See Leblud, C.
- Di Stefano, P.; and Folloni, M.**
Silica sands—the Fossanova deposit as a raw material source for the glass and foundry industries. 60-01157A
- Dianov, E. M.; Kornienko, L. S.; and Nikitin, E. P.**
Kinetics of the accumulation of radiation-induced defects in some high-purity quartz glasses and fiber lightguides. 60-03577A
- Dias, Francisco J.; Gupta, Ashok K.; and Gyarmati, Erno**
Method of producing shaped silicon-carbide bodies. 60-04250P
- Dickinson, George A.**
Method and apparatus for manufacturing flat glass on a molten metal bath. 60-00342P
- Dickson, B. L.** See Meakins, R. L.
- Dickson, Ted**
Chromite. 60-04183A; U.S. refractories industry—a progress report. 60-03916A
- Didenko, I. A.** See Shechavlev, O. S.
- Diemann, E.**
Amorphous arsenic pentasulfide—structure and electronic structure. 60-03432A
- Diesperova, M. I.** See Bron, V. A.
- Dietrich, Hans**
State of development of filter media for dust separators on glass tanks. 60-04872A
- Dietrich, Rainer**
Method of producing abrasive compacts. 60-00880P
- Dietze, Wolfgang** See Rucha, Ulrich
- Diken, G. M.** See Manning, William H.
- Dikov, Yu. P.** See Semenov, N. N.
- Diksic, Mirko** See Birgul, O.
- Dilworth, Louis R.**
Apparatus for removal of sulfur from gas. 60-00661P
- Dimigen, H.** See Enke, K.
- Dimitriev, Ya.** See Simeonova, Yu.
- Dimitrov, V.** See Simeonova, Yu.
- Dimitrova, A.**
Use of basalt from the Voneshcha Voda quarry (Bulgaria) for the production of cast stone bodies. 60-05132A
- Dimova, T.** See Mitev, T.
- Dinescu, Radu; and Burghel, Virginia**
Vitrocram from copper dross. 60-04908A
- Dingle, Raymond; Gossard, Arthur C.; and Petroff, Pierre M.**
Method of fabricating periodic monolayer semiconductor structures by molecular beam epitaxy. 60-04077P
- Dinsdale, Allen**
Modern trends in whitewares processing. 60-01483A
- Dipchikov, F.**
Cast glass-ceramics containing bulgarite. 60-00116A
- Ditchev, B. M.; Breen, K. R.; and Venables, J. D.**
Thermal decomposition of an Si_3N_4 -22 wt% Al_2O_3 alloy. 60-01792A
- Dix, James F.; Ford, Clarence E., Jr.; and Forker, Ray B., Jr.**
Method for masking glass, glass-ceramic, and ceramic surfaces. 60-03772P
- Dixon, S.; Marr, J.; and Lachowski, Eric E.**
Preparation and properties of some phases in the system Nd_2O_3 - CeO_2 - ZrO_2 - RuO_2 . 60-03168A
- Dmitriev, A. I.** See Topil'skii, G. V.
- Dmitriev, A. M.**
Recent developments in the production of rapid-hardening cements. 60-04563A
- Dmitruk, B. F.** See Zarubitskii, O. G.
- Dmitruk, M. V.; Timoshechkin, M. I.; and Kirpichenkova, E. O.**
Crystallization of garnet films of $\text{Er}_2\text{Al}_2\text{Ga}_2\text{O}_{12}$ composition from a melt solution. 60-05585A
- Do Minh Dao**
Behavior of muscovite at high temperatures. 60-05567A; Comparative investigations of the fluxing effect of muscovite and potash feldspar in ceramic bodies. 60-05194A
- Do Minh Dao; and Sieling, Astrid**
Milling of a kaolin rich in muscovite. 60-05413A
- Dobo, Emerick J.**
Process to produce inorganic hollow fibers. 60-00471P
- Dobos, Sandor** See Wojnarovits-Hrapka, Ilona
- Dobra, Adriana; Iacobeanu, Mihai; and Mercea, Victor**
Decorations of ceramic objects by using computer graphics. 60-05198A
- Dobronravova, L. A.** See Timashev, V. V.
- Dobroskokin, N. V.** See Berun, A. V.
- Dobrosotskaya, T. Ya.** See Pavlushkin, N. M.
- Dobrovinskaya, E. R.** See Belaya, A. N.
- Dobrovol'skii, G. B.** See Kozolev, G. V.
- Dobruskin, V. Kh.; Safonova, L. I.; and Kurashvili, S. E.**
Silica gel films. 60-04419A
- Dobychin, D. P.** See Burkut, T. M.
- Doernitz, F. D.** See Heidenreich, Erich
- Doerner, P.; Gauckler, L. J.; and Krieg, H.**
Calculation of heterogeneous phase equilibria in the sialon system. 60-04277A
- Doherty, Charles J.** See Benton, Janet L.; Leamy, Harry J.
- Doherty, S. P.; Martin, J. J.; and Armington, A. F.**
Effects of irradiation and electrodiffusion on the sodium acoustic loss peak in synthetic quartz. 60-05609A
- Dohi, Toshihide; and Kitaguchi, Sigeo**
Method for producing composite optical elements of glass and polymer material. 60-01265P
- Doi, A.; and Day, Delbert E.**
Thermally stimulated polarization current in sodium germanate glass. 60-02346A
- Doi, Akira**
Low-temperature depolarization peaks in alkali silicate glass. 60-02305A
- Doi, Heiji** See Hara, Sadao
- Doi, K.** See Suzuki, C. K.
- Doi, Takao; and Nomura, Satoshi**
Ceramic substrate. 60-05235P
- Dolgikh, V. A.** See Demina, L. A.
- Dolgina, G. Z.** See Ivanov, E. V.
- Dolinskii, A. N.; Shtin, A. P.; and Stepukhin, V. K.**
Neutron diffraction study of the structure of Ti-containing K-Al phosphate glasses. 60-03619A
- Dollins, C. C.**
In-pile densification of intergranular porosity in oxide fuels. 60-05371A
- Dolowy, Joseph F., Jr.; Webb, Bradley A.; and Supan, Edward C.**
Process for manufacture of reinforced composites. 60-04256P
- Dolukhanyan, S. K.** See Kayuk, V. G.
- Domanska, Krystyna** See Cios, Irena
- Domanskii, A. I.** See Smolin, Yu. I.
- Dombro, Robert A.; and Kirch, William**
Method of preparing zirconia-silica xerogels, the xerogels, and xerogel catalysts. 60-03008P
- Dombrowe, Helfried; and Goell, Gerd**
Influence of granulometric characteristics on densification of fine-grained milling products. 60-05411A
- Dominick, Ellen K.; and Scherer, George W.**
Carbon coating for a starting member used in producing optical waveguides. 60-01220P
- Domishlyarova, S.** See Popov, E.
- Domken, Iwan**
Method for the manufacture of ampoules from glass tubes. 60-00347P
- Donald, A. M.** See Carter, C. B.
- Dong, D. W.** See Di Maria, D. J.; Hartstein, A.
- Donnet, Jean-Baptiste; Baudra, Bernard; and Coudurier, Maurice**
Processes for the manufacturing of precipitated silica. 60-02928P
- Donskaya, T. D.; Pavlushkin, N. M.; and Khodakovskaya, R. Ya.**
Modification of properties of the rutile phase in glass-ceramics by addition of variable-valence elements. 60-00217A
- Dorashvany, L. K.** See Tamhankar, S. S.
- Doremus, Robert H.**
Fatigue in soda-lime silica glass—influence of surface treatment. 60-02279A; Importance of crack tip radii in fracture and fatigue of glass. 60-00183A; Infrared spectroscopy of surfaces of glasses containing alkali ions. 60-01064A; Modification of the Hillig-Charles theory for static fatigue of glass. 60-01101A; Processing of glass in space. 60-04834A; See also Thomas, Mathew B.
- Dorey, Roger J.**
Handling of hot articles. 60-03756P
- Dorfield, William G.**
Coating glass-ceramic surfaces. 60-04922P; See also Bartholomew, Roger F.
- Dorner, H. W.; Christmeier, P.; and Wittmann, F. H.**
Determination of water/cement ratios in fresh concrete. 60-03347A
- Dorner, John P.; Pierce, William S.; and Shannon, John L., Jr.**
Resonant-fatigue cracking apparatus. 60-02853A
- Dorofeev, V. G.** See Keshishyan, T. N.
- Dorsch, Peter**
Method for measuring stresses in metal/porcelain cermets. 60-04631A
- Dorsey, Robert J.**
Press for compressing refractory material and including a quick change mold box. 60-03939P
- Dosdale, T.** See Morris, A. P.
- Doser, R. W.** See Wirtz, G. P.
- Dotsenko, A. V.; and Zakharov, V. K.**
Major factors controlling the growth of photoinduced absorption in Ag halide photochromic glasses. 60-01087A
- Dotsenko, A. V.; Zakharov, V. K.; and Krashkov, V. K.**
Relation between heat-treatment conditions and the absorption spectra of nonirradiated Ag halide photochromic glasses. 60-03658A
- Doumert, Jean-Pierre** See Campet, Guy
- Doussineau, Pierre; Lebaure, Robert G.; and Legros, P.**
Low temperature ultrasonic velocity measurements in Na β -alumina. 60-03123A
- Dove, D. B.** See Haranahalli, A. R.
- Dover, William D.** See Charlesworth, Frank D. W.
- Dowhanian, William P.; and Nanne, Silvio E.**
Three years' experience on Algoma No. 7 blast furnace. 60-01409A
- Downing, Stephen B.; Osmond, Desmond W. J.; and Skinner, Maurice W.**
Cementitious compositions. 60-00937P
- Downs, A. M.** See Davis, W. R.
- Dozier, Alfred R.**
Chemical vapor reaction system. 60-04057P
- Drager, K.**
Short-range-order behavior in paramagnetic LaCrO_3 . 60-02704A
- Dragomir, C.** See Velisar, Anica
- Dragomir, C.; Angelescu, N.; and Scaho, A.**
Comparative study regarding refractory behavior in contact with fused aluminum. 60-01338A
- Dragoshanskaya, T. I.** See Vorob'ev, Yu. P.
- Dragnet, Lucian** See Surgeon, Ioan
- Drake, C. F.; Smith, J. W. P.; and Wostenholm, G. H.**
Specific heat capacities of copper-borate glasses. 60-03673A
- Drake, Jörn** See Hoffman, Hans W.
- Dran, J. C.; Maurette, M.; and Petit, J. C.**
Radioactive waste storage materials—their α -recoll aging. 60-02807A
- Drausfeld, K.** See Bubenzer, A.
- Drave, Heinz** See Endres, Robert
- Drechsel, Dietrich** See Floymayr, Joachim
- Dreger, Donald R.**
Design guidelines for joining advanced composites. 60-02943A
- Dressen, A. L.** See Shulz, W. W.
- Dressendorfer, P. V.; and Barker, R. C.**
Photoemission measurements of interface barrier energies for tunnel oxides on silicon. 60-02682A
- Dressendorfer, P. V.; Lai, S. K.; and Barker, R. C.**
Processing dependence of metal/tunnel-oxide/silicon junctions. 60-02691A
- Dressler, John L.** See Rosenwag, Allan
- Drevilovsky, Milan; Chytek, Stanislav; and Vrbnicky, Ivan**
Technology and application of ceramic sheets. 60-05294A

- Drew, Jeffrey M. See Lubitz, Karl
- Drexhage, Martin G. See Gupta, Prabhat K.; Mecholsky, John J., Jr.; Moynihan, Cornelius T.
- Dzherzhak, M. E. See Pitak, N. V.
- Dron, Roger
Statistical theory of molten silicates with high and medium silicon contents. 60-03677A; Structure of molten silicates—statistical interpretation of the Masson theory. 60-03689A
- Drozd, V. E. See Gromov, A. I.
- Drozdova, T. A. See Kitaev, G. A.
- Drozd, Mieczyslaw; and Wolek, Wanda T.
Chemically-bonded aluminosilicate refractory ramming mixes. 60-03873A
- Drozhdzhinov, V. A.
Stained glass. 60-05002P
- Druckendrodt, W.-G.; Baumann, Siegfried; and Krause, Roland
Method for the manufacture of (U,Pu)O₂ mixed crystals. 60-01647P
- Drucker, D. C. See Budiansky, B.
- Drummond, James L.; Simon, M. R.; and Brown, Sherman D.
Degradation of plasma-sprayed alumina on metal substrates in physiological media. 60-04604A
- Draygin, G. M.
Glazing sanitary ceramic wares with white and colored glazes on mechanized conveyor lines. 60-03961A
- Dubakina, N. G. See Opalechuk, L. S.
- Dube, Alfred
Whitewares dream comes true—isostatic pressing, a tool to complete automation. 60-01498A
- Dubois, J. See Orange, G.
- Dubovik, T. V. See Samsonov, G. V.
- Dubrovina, A. V. See Spitsyn, V. I.
- Dubrovina, I. N.; Lipatov, P. V.; and Antonov, V. K.
Phase transformations during the reduction of Li ferrite. 60-04391A
- Duca, Mihaela; Duca, Voicu; and Chiorean, Vintila
Microscopic characterization of porcelain glazing. 60-05218A
- Duca, Voicu See Duca, Mihaela
- Duckworth, R. G.; and Wilson, Ian H.
Ion bombardment of Group IV elemental metal and synthetic nitride films. 60-01759A
- Duckworth, Winston H. See Bansal, Girraj K.
- Duclos, R.; and Crampoin, J.
High temperature measurement of the mechanical properties of ceramic materials. 60-00635A
- Dudarov, Yu. G. See Roze, K. V.
- Dudarov, Yu. G.; Mel'nikov, A. M.; and Keimetyan, A. A.
Production of refractory aggregates, by nonfiring methods. 60-00438A
- Dudko, K. L. See Gapon, N. V.
- Duer, M.
Coal firing systems from the kiln constructor's point of view. 60-02868A
- Duffy, J. I. (Editor)
Glass Technology—Developments Since 1978. 60-03277B; Refractory Materials—Developments Since 1977. 60-00865B
- Dugdale, Ronald A.
Apparatus for depositing materials on substrates. 60-01575P; Methods of depositing materials on substrates. 60-00584P
- Duke, Charles B.; Meyer, Robert Jay; and Paton, Arthur
Calculation of low-energy-electron-diffraction intensities from ZnO (1010); II, Influence of calculational procedure, model potential, and second-layer structural distortions. 60-03038A
- Dumbaugh, William H., Jr.
Lead bismuthate glasses. 60-03585A; See also Danielson, Paul S.; Schultz, Peter C.
- Dumbaugh, William H., Jr.; Flannery, James E.; and Megles, J. E.
Strong composite glasses. 60-00278A
- Dumee, R. J. See Ackerman, K. R.
- Dumesnil, Maurice E.; and Schreier, Ulrich
Low temperature sealing glasses. 60-02407P
- Dunae, A. A.; Borisova, Z. U.; and Mikhailov, M. D.
Synthesis and properties of glasses in the system As-Te-Al. 60-01180A
- Dunae, K. M. See Spitsyn, V. I.
- Duncan, J. F. See Melling, P. J.
- Duncon, William J. See Beales, Keith John
- Dunk, Ronald G.
Ceramic roll drive and support mechanism and a method of using it. 60-01222P
- Dunlap, David R.
Insulated ceramic fiber refractory module. 60-02548P
- Dunn, Anthony G. See Beales, Keith John
- Dunn, Anthony G.; Beales, Keith John; and News, G. R.
Near infrared optical absorption of iron(II) in some sodium borosilicate glasses. 60-03617A
- Dunn, B.; and Farrington, G. C.
Fast divalent ion conduction in Ba²⁺, Cd²⁺, and Sr²⁺ β⁺ aluminas. 60-03084A
- Dunn, Ben R.; and Layman, Ernest L.
Repairing ceramic insulating tiles. 60-00445A
- Duna, Bruce S.
Effect of air exposure on the resistivity of sodium beta and beta⁺ aluminas. 60-02624A
- Dunn, J. G.; Sturman, B. T.; and Van Bronswijk, W.
Determination of gypsum and lime in small samples of set plaster by a DSC-computer method. 60-00631A
- Dunn, P. L. See France, P. W.
- Dunn, Stanley A.; and Gunter, Steven
Controlling the shape of glass microballoons. 60-02257A
- Dunstan, Edwin R., Jr.
Fly ash-based cement. 60-03394P
- Dunton, Harvey R.
Cement and concrete mixture. 60-00933P
- Dunworth, Bruce E. See Mohr, William C.
- Dupuis, Russell D.; and Dapkus, P. Daniel
Preparation and properties of Ga₂-Al₂As-GaAs heterostructure lasers grown by metallorganic chemical vapor deposition. 60-01132A
- Duran, P.
Fracture surface energy and thermal shock of partially stabilized zirconia [PSZ]. 60-03090A; See also Pascual, C.
- Durny, R.
EPR study of Mn²⁺ in chalcogen-rich Ge-Se glasses. 60-01018A
- Dusek, J. T. See Arons, R. M.; Singh, Raj N.
- Dutta, Subhadra; Jackson, Howard E.; and Boyd, J. T.
Reduction of scattering from a glass thin-film optical waveguide by CO₂ laser annealing. 60-02334A
- Dutta, Sunil K.; Rice, Roy W.; and Graham, Henry C.
Characterization and properties of controlled nucleation thermochemical deposition (CNTD)-silicon carbide. 60-01736A
- Duvigneau, Ch. See Cognet, M.
- Duwe, Pol E. See Johnson, William L.
- Dvinskikh, Yu. V.; Popil'skii, R. Ya.; and Kostin, L. I.
Thermophysical properties of thermoplastic cast slips of highly refractory oxides. 60-00449A
- Dvurechenskii, A. V.; Kornev, V. V.; and Petrov, V. A.
Interrelation between temperature and spectral absorption coefficient of optical quartz glasses. 60-02300A
- Dvurechenskii, A. V.; Petrov, V. A.; and Reznik, V. Yu.
Spectral emittance of silica glasses at high temperatures. 60-00270A
- Dwivedi, R. N. See Das, Saroj Kanti
- Dwivedi, R. N.; Das, Saroj Kanti; and Thiagarajan, S.
Reactivities of some industrial slags and natural rocks with glass batches. 60-01148A
- Dwivedi, R. N.; and Nath, P.
Mechanism of formation and growth of silver colloids in photosensitive glasses. 60-01091A; Mechanism of red color formation in photosensitive and normal copper ruby glasses. 60-04800A; Photo-induced transition and metastable color center in glasses containing copper. 60-03637A; Photoinduced transitions and metastable color center in glasses containing vanadium. 60-01124A
- Dworak, Ulf; and Olapinski, Hans
Sintered ceramic material of improved ductility. 60-00763P
- Dyatlova, E. M.; Yakubovich, V. A.; and Tatur, R. Ya.
Effect of ZrO₂ addition on the sintering, structure, and properties of aluminosilicate ceramics. 60-05071A
- Dyban, Yu. P.; Gnesin, G. G.; and Ososvitskii, E. I.
Production of self-bonded SiC with a high thermal stability. 60-00439A
- Dykhne, M. A. See Bol'shov, L. A.
- Dynys, F. W.; and Halloran, John W.
Reactions during milling of aluminum oxide. 60-04411A
- Dzhakhandarov, Sh. D. See Rza-Zade, P. F.
- Dzhigiris, D. D.; Makhova, M. F.; and Neuronov, V. P.
Basaltic fiber materials as noise-reducing agents in ball mills. 60-04514A
- Dziedzic, J. M.; Stolen, R. H.; and Ashkin, A.
Optical Kerr effect in long fibers. 60-03626A
- Devonkovskii, R. M. See Timashev, V. V.
- Earnest, Melvin F. See Lemmon, Robert G., Jr.
- Easler, T. E.; Bradt, R. C.; and Tressler, Richard E.
Concurrent flaw populations in SiC. 60-03048A; Concurrent flaw populations in SiC—correction. 60-04284A
- Eason, J. W.; Johnson, R. A.; and Wawner, F. E.
Model for the elongation of boron on tungsten during chemical vapor deposition. 60-00721A
- Eastes, Walter L.
Method for producing calcium borates. 60-01264P
- Eastes, Walter L.; and Tarantino, Anna
Method for producing calcium borates. 60-04962P
- Ebata, Yoshihiro; Toibana, Yasuo; and Uetsuki, Tsuneo
Method for adhesion of ceramics. 60-05323P
- Ebato, Koichi; and Takebayashi, Toshiharu
Measures for prolonging the life of a hot metal mixer. 60-05094A
- Eberhardt, G. See Linke, D.
- Eberhardt, James J.
DOE program for energy conservation in buildings and community systems. 60-02020A
- Ebert, J. See Kuester, H.
- Ebert, Rolf See Schaldach, Max
- Ebihara, Isao See Baba, Toshiyuki
- Ebihara, Masatoshi See Hidaka, Tsuneo
- Ebisawa, Ritsuo See Morimoto, Tadashi
- Eby, R. E. See Christie, W. H.
- Echigo, Takumi See Goto, Moto
- Eckelmann, G.
Rotary kiln burners for solid and mixed fuels. 60-02886A
- Eckelmann, G.; and Bagary, J. N.
Rotary kiln burners for solid and mixed fuels. 60-00656A
- Economy, James; Lin, Ruey Y.; and Smith, William D.
High strength yarn consisting of boron carbide fibers. 60-02545P
- Eda, Kazuo; Iga, Atsushi; and Matsuoka, Michio
Degradation mechanism of nonohmic zinc oxide ceramics. 60-02620A
- Edagawa, Setsuji See Shibasaki, Hiroji
- Edahiro, Takao See Tomaru, Satoru
- Edahiro, Takao; Inagaki, Nobuo; and Takata, Hisao
Graded-index fibers for field trials. 60-01058A
- Edahiro, Takao; Kawachi, Masao; and Sudo, Shoichi
Deposition properties of high-silica particles in the flame hydrolysis reaction for optical fiber fabrication. 60-02261A; Transmission characteristics of 116.3 km and 65.1 km graded-index VAD [vapor phase axial deposition] fibers at 1.55 μm and 1.3 μm. 60-02348A
- Edgington, J. H.
Energy saving in the container production process now and in the future. 60-03502A
- Eeles, David
Three-chambered climbing kiln. 60-00017A
- Elifimov, A. M.; Khar'yuzov, V. A.; and Proskuryakov, M. V.
Dielectric properties of borate and germanate glasses. 60-04705A
- Elifimov, A. M.; Mikhailov, B. A.; and Arkatova, T. G.
IR spectra of borate glasses and their structural interpretation. 60-00194A
- Elifimov, A. M.; Polushkin, Ya. I.; and Mikhailov, B. A.
Low-frequency IR reflection spectra and optical constants of borate glasses. 60-04794A
- Elifimova, L. K. See Ushakov, D. F.
- Elifimovskaya, T. V. See Lukin, E. S.
- Efremov, I. F. See Rozental, O. M.
- Efremov, V. A.; and Kalinin, V. B.
Determination of the crystal structure of Na₂Sc₂(PO₄)₃. 60-01873A
- Ege, Werner See Gross, Albert
- Egderding, Carl L.; Gonzales, Frank, Jr.; and Niklewski, Jerzy B.
Process for forming mullite. 60-05339P
- Egorov, V. M. See Bershtein, V. A.
- Egorov-Tismenko, Yu. K. See Bondareva, O. S.
- Eguchi, Tadataka; Watanabe, Toshio; and Kubo, Sueki
Compact gunning machine for converters—"Shooter M Type." 60-05061A
- Ehrlert, Thomas C.
Thermal decomposition of the oxynitride of germanium and the heat capacity of the oxynitrides of silicon and germanium. 60-03230A; Thermal decomposition of the oxynitride of germanium and the heat capacity of the oxynitrides of silicon and germanium—correction. 60-05724A
- Ehrlich, D. J.; Osgood, R. M., Jr.; and Deutsch, T. F.
Laser-induced microscopic etching of GaAs and InP. 60-02664A
- Eichbaum, Barlane R.; Eisele, Judith A.; and Bauer, Donald J.
Production of alumina from aluminum nitrate solutions. 60-04198P
- Eichenberger, Heinz See Serbent, Harry
- Eichenbaum, Bernard R.
Measurement of the fluid dynamic centering force in a fiber optic coating die. 60-02309A
- Eichinger, G.; and Deublein, G.
Fast ionic conduction in sodium phosphate-borate compositions. 60-01043A
- Eichinger, P. See Paduscheck, P.
- Eichler, Josef See Kala, Tomas
- Eiduks, J. See Leruma, M.; Lindins, L.; Ostrovchuk, A. S.; Rudakova, S. V.
- Einspahr, Howard M.; and Bugg, Charles E.
Geometry of calcium-water interactions in crystalline hydrates. 60-05616A
- Eiraku, Masuo See Yamaguchi, Chikara
- Eisa, M. A.; Abadir, M. F.; and Gadalla, A. M.
System TiO₂-PbO in air. 60-03219A
- Eisele, Judith A. See Eichbaum, Barlane R.
- Eisele, Judith A.; Bauer, Donald J.; and Bremner, Paul R.
Removal of impurities from clay. 60-02929P
- Eisenlohr, Volker See Trawinski, Helmut
- Eisenrith, Karl-Heinz See Aulich, Hubert
- Eissa, N. A.; Sallam, H. A.; and Sanad, A. M.
Moessbauer effect study of the origin of ancient Qatari pottery. 60-00893A
- Eistner, Ingo; Jeschke, Peter; and Leupold, Hermann
Use of zirconium oxide materials in plants for making and casting of steel. 60-01413A
- Eitman, David A. See Kratsch, Kenneth M.
- Ekdahl, Wendell G.
Method of producing alumina-containing fiber and composition therefor. 60-02553P
- Ekimov, A. I.; Onushchenko, A. A.; and Tsekhomskii, V. A.
Exciton absorption by CuCl crystals in a glass-forming matrix. 60-04742A
- El-Abd, Ahmed Z. See Bakr, Mohamed Y.
- El-Abd, Mohamed Z. See Bakr, Mohamed Y.
- El-Aiat, M. M.; Hou, L. D.; and Tikou, S. K.
High-temperature conductivity and creep of polycrystalline Al₂O₃ doped with Fe and/or Ti. 60-03098A
- El-Akkad, T. M.
Effect of thermal dehydration on surface characteristics of titania gel. 60-00786A
- El-Batal, H. A. See Ahmed, Ahmed A.

- El-Batal, H. A.; Ghoneim, N. A.; and Ahmed, Ahmed A.**
Effect of crystallization routes on the properties of glass-ceramics. 60-01024A
- El-Batal, H. A.; Hussein, A. L.; and Abbas, A. F.**
Optical absorption of some alkali borate glasses containing neodymium. 60-01113A
- El-Bayoumi, Osama H.** See Mohr, Robert K.
- El Dessouki, T.** See Barakat, N.
- El-Didamony, Hamdy** See Shater, Magda A.
- El-Fekey, S. A.; and El-Mamoun Yahia, M.**
Pore shape and porosity correction factors for thermal conductivity of sintered UO_{2-x} . 60-02806A; Sinterability and thermal conductivity of sintered thorium. 60-01971A
- El-Hemaly, S. A.** See Ibrahim, D. M.
- El-Labani, H. M.** See Baidakov, L. A.
- El-Mamoun Yahia, M.** See El-Fekey, S. A.
- El-Masry, M. A. A.** See Haroun, Nabil A.
- El-Rafel, Essam A.**
Development of rational chemical analysis for quantitative phase determination in the multicomponent system $MgO-CaO-SiO_2-Al_2O_3-Fe_2O_3-Cr_2O_3-O_2$. 60-00782A; High quality chrome-bearing basic refractories from brine magnesite. 60-02516A
- El-Shamy, T. M.** See Ahmed, A. A.
- Elchin, V. I.** See Yavorskii, I. A.
- Eleison, J.**
Effect on thermal expansion of the addition of various materials to a cone 01-1 bright glaze and body. 60-01473A
- Eliezer, Isaac; Eliezer, Naomi; and Howald, Reed A.**
Enthalpy of sodium silicate glasses and liquids. 60-01038A
- Eliezer, Isaac; and Howald, Reed A.**
High-temperature thermodynamics and phase equilibria in the potassium oxide-aluminum oxide system. 60-01908A
- Eliezer, Naomi** See Eliezer, Isaac
- Elkins, R. T.; Heath, B. B.; and Yonushonis, T.**
Innovative design of ceramic utility gas turbines. 60-02956A
- Elksnis, A.; and Ross, T. A.**
Refractory gunite. 60-01395A
- Ellemann, P.; and Nielsen, P. W.**
New method of straightening warped rotary kilns. 60-02159A
- Ellerbrock, H.-G.** See Kuhlmann, K.
- Ellerbrock, H.-G.; and Lange, G.**
Corrosion damage to internal parts of electrostatic precipitators in the cement industry. 60-02090A
- Ellott, Michael T.** See Glass, Howard L.
- Ellis, Edric; Johnson, David William; and Breeze, Alan**
Electronic structure and optical properties of oxide glasses: I. SiO_2 , Na_2O-SiO_2 , and $Na_2O-CaO-SiO_2$. 60-01034A; Electronic structure and optical properties of oxide glasses: II. Lead silicates. 60-01035A
- Elmer, Thomas H.**
Dehydroxylation of porous glass by means of chlorine. 60-02260A; See also Power, Joseph M.
- Elmer, Gerhard** See Honecker, Hedwig; Moergenthaler, K. D.
- Emberson, C. C.; Leung, W. C.-M.; and Barham, D.**
Flash hot-pressing of strontium hexafluoride with liquid-forming additives. 60-01533A
- Embrey, Peter G.; and Fuller, John P.** (Editors)
Manual of New Mineral Names, 1892-1978. 60-02031B
- Emel'yanov, Yu. A.** See Bershtein, V. A.; Stepanov, V. A.
- Emery, K.** See Genis, A. P.
- Emile, A. G.** See Aronson, J. R.
- Emyshev, A. V.; Lisovskaya, L. V.; and Shestakov, A. I.**
Treatment of refractory fibrous materials. 60-05186P
- En-Namami, A.** See Dekkiche, E. A.
- Enayati-Rad, N.** See Thorp, J. S.
- Enayati-Rad, M. E.** See Gadalla, A. M.
- Endler, Wolfgang** See Splittgerber, Heinz
- Endo, Kenji** See Torikai, Toshitaka
- Endo, Yaji** See Oishi, Shuji
- Endres, Robert; Dave, Heinz; and Mansmann, Manfred**
Process for the preparation of zeolite A from kaolin. 60-05546P
- Engelke, Heinrich**
Scanning electron microscopy. 60-04444A; Scanning electron microscopy. [continued] 60-05445A; Scanning electron microscopy. [continued] 60-05446A
- Engelmeier, William H.**
Agglomeration in the glass industry—an energy and environmental tool: II, Recent developmental work. 60-03430A
- Engstroem, Carl B. A.; and Persson, Goesta A.**
Method of producing glazed ceramic building materials. 60-03867P
- Engstrom, Herbert; Bates, John B.; and Wang, J. C.**
Infrared spectra of hydrogen isotopes in $\alpha-Al_2O_3$. 60-03109A
- Enke, K.; Dimigen, H.; and Huebsch, H.**
Frictional properties of diamondlike carbon layers. 60-02952A
- Enomoto, Ryo; Tanaka, Hiroyuki; and Hara, Kazuhisa**
Method of producing a silicon carbide sintered body. 60-02773P
- Enomoto, Youchi; and Yamaji, Akihiko**
Preparation of uniformly small-grained BaTiO₃. 60-04038A
- Enriquez, C. R.; Danon, J.; and Beltrao, M. d. C. M.**
Differential thermal analysis of some Amazonian archaeological pottery. 60-03311A
- Entzmann, Karl**
Method and apparatus for regenerating and reactivating cement. 60-04591P
- Enzo, S.** See Fagherazzi, Giuliano
- Eon, C.** (Editor)
Second International Congress on Phosphorus Compounds. Proceedings. 60-04483B
- Epel'baum, M. B.; and Salova, T. P.**
Molar volumes and refractive indexes of water-containing aluminosilicate glasses. 60-01105A
- Epik, A. P.** See Tkachenko, Yu. G.
- Eppler, Richard A.**
Cobalt-free black pigments. 60-03953A; 60-01471A; Resistance of porcelain enamels to attack by aqueous media: III, Mechanism of the corrosion of water-tank enamels. 60-03422A
- Erdmann, Francis M.** See Beguwalla, Moiz M. E.
- Erdoes, P.** See Solt, G.
- Eremenko, N. G.** See Gladush, V. M.
- Eremenko, V. V.** See Venitskii, V. N.
- Erickson, J. J.; Gebhart, F. L.; and Hall, T. C.**
Silicon nitride passivation of IC's. 60-02974A
- Erickson, Thomas D.**
Fibrous glass manufacture using refractory bushing. 60-01232P
- Erikson, Carl A.; Anthony, Thomas R.; and Cline, Harvey E.**
Apparatus for practicing temperature gradient zone melting. 60-00530P
- Erkin, L. I.; Varshavskii, T. P.; and Maslov, V. S.**
New refractory materials improve coking productivity. 60-01374A
- Erlar, Hans Joerg** See Weissmantel, Christian
- Erlar, Hans Joerg; Reisse, Guenter; and Weissmantel, Christian**
Nitride film deposition by reactive ion beam sputtering. 60-01550A
- Erich, D. C.** See Shockey, D. A.
- Ernakova, M. N.** See Nedil'ko, S. A.
- Ernolaeva, A. I.** See Krasnoustova, A. S.
- Ernolaeva, L.** See Uteshva, V.
- Ermolenko, N. N.; Manchenko, Z. F.; and Shamalovich, V. I.**
Synthesis of alkali-free silicate glasses for electronic devices. 60-04889A
- Ermolenko, N. N.; Naumenko, A. M.; and Karpovich, E. F.**
Some properties of glasses of the aluminoborosilicate system. 60-04866A
- Ermolenko, N. N.; Poshkarov, N.; and Manchenko, Z. F.**
Chemical stability of silicates belonging to the system $SiO_2-Al_2O_3-MgO-CaO-MnO$. 60-04687A; Vitrification and crystallization capacity of glasses in the system $SiO_2-Al_2O_3-MgO-CaO-MnO$. 60-00296A
- Ernsberger, Fred M.**
Proton transport in solids. 60-01141A
- Eron'ko, S. B.; and Chmel, A.**
Initial stages of the surface breakdown of glasses exposed to repeated light pulses. 60-04773A
- Error, Nicholas G.; Locher, T. M.; and Cornelsen, B. C.**
Low temperature hexagonal BaTiO₃ polymorph and carbonate adsorption. 60-04364A
- Ershova, L. A.** See Galitskaya, V. V.
- Ershova, T. T.; Zykova, T. A.; and Moiseev, V. V.**
Diffusion of Li ions in certain Li silicate glasses. 60-04707A; Ion-exchange interaction of sesquioxide-containing Li silicate glasses with melts of Na and Ag nitrates. 60-04778A
- Ershov, H.** See Heidenreich, Erich
- Er'skova, N. F.** See Ostrovchuk, A. S.
- Esaki, Leo** See Chang, Chin-An
- Escaig, B.** See Crampson, J.
- Eschenberg, Rudolf; and Schaefer, Herbert**
Refractory front wall for industrial furnace. 60-00670P
- Eschner, Axel**
Process for the production of a ceramic heat-retaining brick. 60-03943P
- Eser, E.; Ogilvie, R. E.; and Taylor, Kenneth A.**
Effect of bias on dc and rf sputtered WC-Co coatings. 60-01523A
- Esin, O. Yu.** See Buler, P. I.
- Eslova, Luis M. C.** See Peralta, Antonio L.
- Esnot, Marc; Krings, Arthur; and Mueller, Paul-Peter**
New castable refractories for reheating furnaces. 60-03897A
- Espenscheid, Wilton F.** See Yan, Tsoung-yuan
- Eser, Michael J.; Green, Wells L.; and Merchant, Stanley E.**
Exhaust gas sensor having porous, metal-impregnated ceramic element. 60-00542P
- Espinosa de los Monteros, J.; Alvarez-Estrada, D.; and Morales Poyato, F.**
Sericite clays—new ceramic raw materials. 60-01717A
- Eseluhn, Werner F.**
Apparatus for depositing materials on stacked semiconductor wafers. 60-01574P
- Eser, Fred; Scheidt, Klaus; and Kloepper, Detlev**
Mathematical investigations of refractory lining life in the bottom oxygen converter using flow calculations. 60-01368A
- Etherington, George** See Sinclair, Roger N.
- Ethridge, Edwin C.** See Clark, David E.
- Ethridge, Edwin C.; Clark, David E.; and Hench, Larry L.**
Effects of glass-surface-area-to-solution-volume ratio on glass corrosion. 60-04726A
- Etienné, Daniel; and Bougnot, G.**
Kinetics of growth of ZnSe and ZnS epitaxial layers on fluorine by vapor phase transport. 60-01543A
- Etoc, P.**
Liquid fuels in France—present properties and their evolution. 60-00651A
- Ettmayer, Peter** See Vendl, Alfred
- Eustachio, Claudio**
Plant for producing fired brick blanks. 60-00395P
- Evans, A. G.**
Deformation and failure caused by grain boundary sliding and brittle cracking. 60-04295A; Fatigue in ceramics. 60-04329A; See also Faber, K. T.; Virkar, Anil V.
- Evans, A. G.; and Faber, K. T.**
Toughening of ceramics by circumferential microcracking. 60-04459A
- Evans, A. G.; and Langdon, T. G.** (Editors)
Structural Ceramics (Konstruktionsnaya Keramik). 60-03294B
- Evans, A. G.; and Rams, A.**
High temperature failure mechanisms in ceramics. 60-04346A
- Evans, C. A., Jr.** See Nissim, Y. I.
- Evans, D. L.; Fischer, G. R.; and Geiger, J. E.**
Thermal expansions and chemical modifications of cordierite. 60-00841A
- Evans, E. M.; Williamson, J. P. H.; and Glasser, F. P.**
Microstructure of plasma dissociated zircon and liquid immiscibility in the ZrO_2-SiO_2 system. 60-00812A
- Evans, H. E.; Bowser, W. M.; and Weinberg, W. H.**
XPS investigation of alumina thin films utilized in inelastic electron tunneling spectroscopy. 60-00526A
- Evans, Keenan L.; and Moore, Carleton B.**
Combustion-ion chromatographic determination of chlorine in silicate rocks. 60-02832A
- Evle, Holger F.** See Faust, William D.
- Evly, R. D. G.** See Stos-Fertner, Z.
- Evanova, N. F.** See Voronkova, V. I.
- Eveeva, V. B.** See Perchik, E. B.
- Evstishenkov, V. S.** See Leshchinskii, D. A.
- Evstrop'ev, K. K.; and Petrovskii, G. T.**
Anion conductivity of glass. 60-00977A
- Evtushenko, O. V.** See Bezykornov, A. I.
- Excifon, Charles** See Ricard, Jean
- Eysel, W.** See Woermann, E.
- Eyubova, N. A.** See Rza-Zade, P. F.
- Enzi, Masafumi** See Fujimoto, Shiohichi; Furumi, Koichi
- Ezis, Andre**
Method of making silicon nitride-based cutting tools: I. 60-04247P; Method of making silicon nitride-based cutting tools: II. 60-04248P; See also Samanta, Shyam K.
- Faber, K. T.** See Evans, A. G.
- Faber, K. T.; Huang, M. D.; and Evans, A. G.**
Quantitative studies of thermal shock in ceramics based on a novel test technique. 60-04405A
- Faber, William M., Sr.** See Holmes, Curtis L.
- Fadeeva, V. I.** See Reznitskii, L. A.
- Faesle, Fritz**
Method for producing hard plaster of Paris. 60-00941P
- Fagerlund, Goeran**
Influence of slag cement on the frost resistance of concrete—a theoretical analysis. 60-02133A
- Fagherazzi, Giuliano; Enzo, S.; and Gottardi, Vittorio**
Structural study of metastable tetragonal zirconia in an $Al_2O_3-ZrO_2-SiO_2-Na_2O$ glass-ceramic system. 60-01172A
- Fahy, Dennis M.**
Elastomeric coating composition for glass fibers and coated glass fibers made from it. 60-03743P; Glass fibers with reduced tendency to form gumming deposits and sizing composition. 60-03752P
- Fahrenbruch, Alan L.** See Tsai, Ming-Jong
- Fair, Frank V.** See Wallouth, Rudolph W.
- Fajka, Laszlo** See Kozma, Bela
- Falconer, Robert A.** See Jenkins, Jerold D.
- Falcoz, Pierre; Filhol, Raymond; and Commaux, Jean-Noel**
Hydraulic cement compositions. 60-02207P; Rapidly cold weather setting/hardening mortars and concretes comprised of hydraulic binders. 60-02219P
- Falk, C.; and Kjaer, E.**
Heat recovery from flue gases—utilization of the heat content (enthalpy) of flue gases by means of a rotary heat exchanger. 60-01312A
- Fallmann, W.** See Olcaytog, F.
- Fan, John C. C.** See Bozler, Carl O.
- Fan, John C. C.; Zeiger, H. J.; and Gale, Ronald P.**
Solid-phase growth of large aligned grains during scanned laser crystallization of amorphous Ge films on fused silica. 60-02706A
- Fan, Liang-Tsung** See Akin, Mufit; Hulbert, Clarence E., Jr.
- Fanfani, Angiolo**
Unusual majolica jug. 60-03332A
- Fang, F. F.** See Sai-Halasz, G. A.
- Fang, Zhi-yao** See Yao, Lu-ping
- Fangman, John S.** See Dewees, Thomas J.
- Fannelli, Doris Devine**
John H. Sonner's stoneware pottery, Strasburg, Virginia. 60-02061A
- Fantoni, G.** See Orange, G.
- Fargeot, D.; Gault, C.; and Pinton, F.**
Ultrasonic measurement of high-temperature elastic moduli for refractory materials. 60-00450A
- Faria, Sideniel; and Chioia, Vincent**
Solar energy grade cadmium sulfide. 60-02791P
- Farioli, S. G.**
Ceramic tiles in Europe and the effect of fashion on color schemes. 60-02578A

- Farooqi, S. I.; and Richardson, J. F.**
Rheological behavior of kaolin suspensions in water and water-glycerol mixtures. 60-01492A
- Farr, Archie E.**
Observations on industry experiences with low-cobalt/no-cobalt systems. 60-04632A
- Farrington, G. C.** See Dunn, B.
- Farris, Robert E.** See Allen, Jim E.
- Farrow, R. L.; Matern, P. L.; and Nagelberg, A. S.**
Characterization of surface oxides by Raman spectroscopy. 60-03042A
- Farrow, R. L.; and Nagelberg, A. S.**
Raman spectroscopy of surface oxides at elevated temperatures. 60-02852A
- Fartushnyy, L. A.** See Grechko, L. I.
- Fassbender, R. H.** See Hagemier, Donald J.
- Faustlich, Margu; Jain, Walter; and Krolla, Georg**
Glasses having a low nonlinear refractive index for laser applications. 60-00331P
- Faust, William D.; Evele, Holger F.; and Smith, James W.**
Analysis of two-coat/one-fire powder system adherence. 60-04595A
- Fay, Gordon C.**
Energy-saving programs in existing tunnel kilns. 60-04176A; Kiln redesign for fuel economy. 60-04178A; Limitations of fiber refractories in structural clay products plants. 60-05022A
- Fegain, Roy C.**
Method of making a ceramic shell mold. 60-00464P
- Feather, Robert**
Black potteries' outlook has rays of sunshine. 60-05189A; Clay or PVC land drainage? 60-00383A; ICI triple[s] Saffil capacity. 60-05086A; Yorkshire Brick's new portaklin on target. 60-00392A
- Fedarko, William; McCreight, Louis R.; and Rauch, Harry W.**
Glass-fly ash from a new hot gas clean-up process. 60-03540A
- Fedingin, E. I.** See Rozental, O. M.
- Fedorov, N. F. (Editor)**
Physical Chemistry and Technology of Silicate and Inorganic Materials (Fizicheskaya Khimiya i Tekhnologiya Silikatnikh i Neorganicheskikh Materialov). 60-00863B
- Fedorov, N. F.; Ipatov, V. V.; and Kvyatkovskii, O. V.**
Phase equilibria in the systems $MgMoO_4$ - $Ln_2(MoO_4)_3$ ($Ln = La, Gd$). 60-03154A; Phase equilibria in the systems $MgMoO_4$ - Ln_2MoO_4 ($Ln = Sm, Yb, La$). 60-03155A
- Fedorov, P. I.; and Mokhosoev, M. V. (Editors)**
Chemistry of Gallium, Thallium, and Indium (Khimiya Gallya, Indiya, i Tallya). 60-03264B
- Fedorov, Yu. K.** See Lunter, S. G.
- Fedoruk, R. M.** See Azarenkova, L. E.; Pitak, N. V.
- Fedoseev, D. V.; Deryagin, B. V.; and Bakul, V. N.**
Polycrystalline superhard material [BN] and method of producing. 60-00757P
- Fedoseev, D. V.; Sokolina, G. A.; and Karpukhina, T. A.**
Phase transformations and properties of diamond ceramics. 60-03159A
- Fedotov, A. V.; Kolchina, E. A.; and Kuznetsov, I. G.**
Effect of adsorbed moisture on the composition and properties of hot-pressed ceramics based on BN and AlN. 60-00707A
- Fedotowsky, A.; Lohovec, K.; and Park, Y. K.**
Temperature dependence of metal-nitride-oxide-silicon currents at constant oxide fields. 60-05721A
- Fedulova, V. V.** See Danyushkevskii, S. I.
- Fegley, M. Bruce, Jr.**
Thermodynamic properties of silicon oxynitride. 60-05726A
- Fegley, Nelson L.** See Conway, Bernard W.
- Felgoid, Earl** See Daniels, William H.
- Fekeldzhiev, G.** See Vergilio, V.; Vodenicharov, M.
- Fekeldzhiev, G.; Sivova, R.; and Marchev, P.**
Possible utilization of new alkaline raw materials in the manufacture of sanitary-grade ceramic wares. 60-05223A
- Fel'dman, V. I.** See Neviditsyn, L. F.
- Feldman, Albert** See Waxler, Roy M.
- Feldman, Leslie** See De Jonghe, Lutgard C.
- Feldman, R. F.**
Application of the helium inflow technique for measuring surface area and hydraulic radius of hydrated portland cement. 60-02072A
- Feldott, J.** See Jeffries, B. T.
- Feller, S. A.** See Alys, J. A.; Bray, Philip J.; Jellison, George E., Jr.
- Feltz, Adalbert; Linke, D.; and Voigt, B.**
Chalcogenide glasses as infrared transparent materials. 60-03443A
- Fenelonov, V. B.** See Bazhan, O. V.
- Feng, Chin-Hu** See Lee, Han-Sheng
- Feng, Jia-rong** See Song, Shen-tai
- Fenske, George R.; and Bandyopadhyay, Gautam**
Effect of burnup on the response of stainless steel-clad mixed-oxide fuels to simulated thermal transients. 60-04107A
- Fenstermacher, James E.**
Optical absorption due to tetrahedral and octahedral ferric iron in silicate glasses. 60-00231A
- Fentiman, C. H.** See Barnes, P.
- Fenton, Frank A.**
Glassware-forming machines. 60-02395P; Transfer means of glassware-forming machines. 60-05006P
- Fedorov, N. F.; Kozhevnikova, L. V.; and Savitskas, R. K.**
Effect of surfactants, introduced during the molding process, on the physicochemical properties of quartz ceramics. 60-01349A
- Ferenc, Joseph** See Boyd, David C.
- Ferenczi, Tibor** See Boros, Jozsef
- Ferenczy, J. J.** See Ramm, E. J.
- Ferguson, Warren S.**
Problems involving spent-chrome-bearing refractories. 60-02523A
- Feric, T.** See Kristulovic, Ruza
- Feria, Giuseppe** See Cerofolini, Gianfranco
- Ferlani, Paolo** See Bjorkstam, John L.
- Fernandez Arroyo, G.**
 SiO_2 - Al_2O_3 - Li_2O glass-ceramics—effect of nucleators and devitrification conditions. 60-04859A
- Fernandez Navarro, J. M.** See Orgaz Orgaz, Felipe
- Fernando, Q.** See Carter, Dean Edwin
- Ferran, Michel** See Cohen, Joseph
- Ferrari, R.; and Rieke, K.**
Instrument control and automatic regulation of pretreatment baths for sheet steel enameling. 60-04626A; Methods of instrumental and automatic control of pretreatment baths for sheet iron prior to enameling. 60-00086A
- Ferraris, Giampiero**
Titanium nitride as one layer of a multilayered coating intended to be etched. 60-00606P
- Ferritto, James J.** See Carlson, Robert K.
- Ferronskaya, A. V.** See Pechuro, S. S.
- Ferry, D. K.** See Kunjunny, T.
- Fertsh, P.; Ugal, Ya. A.; and Anokhin, V. Z.**
Kinetics of solid-phase reactions in the system PbO - SiO_2 . 60-04789A
- Fesenko, E. G.** See Dergunova, N. V.
- Fesenko, E. G.; Kryshchop, V. G.; and Devlikanova, R. U.**
Piezoelectric ceramic material. 60-05334P; 60-01618P; X-ray diffraction and electrophysical study of the high-density ceramic of the structure type tetragonal potassium-tungsten bronze. 60-05741A
- Fiala, Jaroslav**
Powder diffraction analysis of a three-component sample. 60-02849A
- Fickentscher, Siegfried; and Liebl, Hans**
Innovations in casting and glazing in the works for sanitary ceramics manufacture. 60-05213A
- Fiddympt, P. J.** See Westbrook, L. D.
- Fiedler, Erwin**
Radiant tube and its use in intermittent enameling furnaces. 60-04643A
- Field, J. E.; and Freeman, C. J.**
Strength and fracture properties of diamonds. 60-04428A
- Field, Robert J.** See Ghandhi, Sorab K.
- Fields, J. N.**
Attenuation of a parabolic-index fiber with periodic bends. 60-02244A
- Fleuet, F.** See Pigenet, C.
- Figueredo Gomes, C. de S.; and Worrall, William E.**
Dickite showing unusual crystal habit and structural disorder. 60-03058A; Nacrite developing a 14 Å phase during dehydroxylation. 60-03131A
- Figusch, Vilam** See Haviar, M.; Havlica, Jaromir
- Filatov, V. P.** See Rotinyan, A. L.
- Filatova, T. A.** See Gorbachev, V. V.
- Filatova, T. G.; Zakharova, B. S.; and Reshetnikov, L. P.**
Interactions in the system RbF - LaF_3 . 60-03110A
- Filberth, E. W.; Rowe, M. W.; and Shafer, H. J.**
Uranium in Hueco and Guadalupe Mountain Indian ceramics. 60-00902A
- Filhol, Raymond** See Falcoz, Pierre
- Filimonov, M. V.** See Kevdina, I. B.
- Filipov, F.** See Filipova, Zh.
- Filipova, Zh.; Filipov, F.; and Nedev, V.**
Effect of particle-size composition and preliminary heat treatment of polyvinylchloride emulsion on the quality of molds obtained for ceramic pottery. 60-05200A
- Filipovich, V. N.** See Fokin, V. M.; Kalinina, A. M.
- Filippi, Arthur M.** See Yoldas, Bulent E.
- Filippi, Charles**
Lamination in clay extrusion—causes and correction: I, Clay mineralogy provides the first clue to laminations. 60-02481A; Lamination in clay extrusion—causes and correction: II, Clay winning, storage, and mixing. 60-02482A; Lamination in clay extrusion—causes and correction: III, Clay preparation and extrusion can avoid laminations. 60-03840A; Lamination in clay extrusion—causes and correction: IV, The auger and the die to prevent laminations. 60-05021A
- Fillion, Paul D.** See Suh, Nam P.
- Filot, George** See Teoreanu, Ion
- Findakly, T.; and Garmire, E.**
Low loss optical waveguides fabricated by solid state electrothermal diffusion of metals into glass. 60-03594A; Reduction and control of optical waveguide losses in glass. 60-04845A
- Finger, T. H.**
Digital control of glass manufacture. 60-03475A
- Finkel'shtein, V. E.; and Ivenskii, S. N.**
Effective radiating power of nonisothermally heated cylindrical cavities. 60-04313A
- Finnie, I.** See Giovanola, J. H.
- Finnigan, G.**
Syndite [polycrystalline diamond] tools for trueing and dressing. 60-00003A
- Finstad, T. G.; and Nicolet, M. A.**
Interaction of evaporated palladium and titanium films with single crystal silicon. 60-04023A
- Finzer, Garrison F.** See Jensen, John C.
- Florini, P.** See Gresara, S.
- Fischer, G. R.** See Evans, D. L.
- Fischer, K. H.; and Leineweber, L.**
Recompression of runner brick, [and] funnel and stopper rod pipes in manual, semiautomatic, or fully automatic operation. 60-00440A
- Fisher, Colin**
Growing of crystals. 60-04064P
- Fisher, Joseph J.** See Reese, Thomas J.
- Fisher, O. N.; and Shmitt-Fogelevich, S. P.**
Quantitative X-ray analysis of cristobalite in quartz glass. 60-01142A
- Fisher, R. A.**
Anomalous heat capacity of vitreous silica—effect of interstitial 4He . 60-01846A
- Fitzer, Erich; Hegen, D.; and Strohmaier, H.**
Gas phase impregnation with silicon carbide. 60-00422A
- Fitzer, Erich; Koehling, K. H.; and Schwarz, G.**
Flexural strength of polygranular carbon and graphite materials after various heat treatments and their correlation with porosity. 60-02949A
- Fitzer, Erich; and Schlichting, Juergen**
Inorganic fibers—fabrication, properties, and application. 60-02957A
- Fitzgerald, William**
Composite flanged ceramic package for electronic devices. 60-00537P
- Fitzjohn, William H.; and Worrall, William E.**
Mineralogical analysis of unfired brick clays. 60-01313A; Physical properties of raw brick clays. 60-01315A
- Fitzpatrick, Paul J.**
Maria L. Nichols and the Rookwood Pottery. 60-03322A
- Fild, Josef** See Stabenow, Karl
- Flaechsenhaar, Edgar; Gerstenberg, Bernhard; and Hammer, Rudolf**
Blast furnace operation in connection with hot metal desulfurization. 60-01332A
- Flahaut, Jean** See Barnier, Suzanne
- Flanigen, Edith M.** See Grose, Robert W.
- Flanigen, Edith M.; and Kellberg, Elsa R.**
Synthetic crystalline zeolite and process for preparing it. 60-01838P
- Flannery, James E.** See Dumbaugh, William H., Jr.
- Flannery, James E.; Morgan, David W.; and Rospiokel, Sara E.**
Tinted glassware. 60-05005P
- Flaumenbaum, B. L.** See Chernikova, V. V.
- Fliegel, Vernon; and Anthony, Robert J.**
Method of reshaping warped graphite enclosures. 60-03934P
- Fleischer, Leonard R.**
Solid solution carbide nuclear fuels. 60-00621P
- Fleischer, Leonard R.; and Gunasekaran, Muthian**
Concrete encapsulation for spent nuclear fuel storage. 60-04120P
- Fleischer, Werner; Schulze, Dietmar; and Wilberg, Ruediger**
Reactive ion plating (RIP) with auxiliary discharge and the influence of the deposition conditions on the formation and properties of TiN films. 60-01783A
- Fleischmann, Werner**
Anchors—a detail of refractory linings. 60-05048A
- Fleming, R. F. S.**
Ceramic raw materials in Europe—trends in internationally traded materials. 60-03250A
- Fliess, H.**
Ceramics by graduates of the State Technical School for Ceramic Design, Hoehr-Grenzhausen [West Germany]. 60-04496A
- Flinn, E. A.; and Salehi, M.**
Enhanced secondary electron emission yield from doped vanadate-phosphate glasses. 60-02275A
- Floerke, Otto W.** See Schneider, Hartmut
- Florean, Jean** See Taupin, Pierre
- Florry, J. S.; and Robson, B.**
Grain size and internal strain in a crystallized Li_2O - Al_2O_3 - SiO_2 glass. 60-01059A
- Floury, Yves** See Le Sergeant, Christian
- Flowers, Robert H.** See Harrigan, William C., Jr.
- Floymayr, Joachim; Jericho, Karl; and Drechsel, Dietrich**
Apparatus for the zone pulling of monocrystal rods. 60-00531P
- Fluckiger, Rene** See Yvon, Klaus
- Fodoranu, Vladimir G.**
Optimization of technological manufacturing parameters for reducing loss percentages in the fine ceramics construction industry. 60-05219A
- Foerster, Herbert; and Bayer, Dieter**
Thin film structure on a ribbon substrate for electric components and manufacture thereof. 60-01637P
- Fofanov, A. D.; Potchenkov, A. A.; and Shvirin, O. N.**
Renninger effect in α -quartz [crystals]. 60-05689A
- Fogliani, G.** See Mazzali, P.
- Fojkova, M.** See Stefan, Jaroslav
- Fokin, V. M.** See Kalinina, A. M.
- Fokin, V. M.; Kalinina, A. M.; and Filipovich, V. N.**
Stationary and nonstationary nucleation rates of $2Na_2O$ - CaO - $3SiO_2$ crystals in glass of the same composition. 60-01166A

- Folloni, M. See Di Stefano, P.
 Foltz, Thomas F. See Chai, Arthur L.
 Fomenko, V. A. See Petrin, N. V.
 Fomina, N. P. See Maslennikov, G. N.
 Fonseca, G. M. See Barnes, P.
 Fontanella, John See Link, Joseph
 Fonteneau, G.; Slin, H.; and Lahie, F.
 Infrared transmitting fluorine glasses in the $\text{LnF}_3\text{-BaF}_2\text{-ZnF}_2$ system. 60-01066A
 Ford, Clarence E., Jr. See Dix, James F.
 Forker, Ray B., Jr. See Dix, James F.
 Forman, Carl E. See Coakley, Thomas A.
 Forngou, Z.; Malissa, H.; and Grasserbauer, M.
 Microstructural characterization study of magnesia derived from natural microcrystalline magnesite. 60-01369A
 Forrester, J. A. See Naiti, S. C.
 Forschirm, Alex S. See Hannon, Martin J.
 Fossberg, Eric; and Bolin, Nils Johan
 Phosphate-bonded fused-alumina abrasive resistant material. 60-00875A
 Forsthoff, W.
 Effect of drilling and blasting on the performance and cost of subsequent operations in limestone quarries. 60-02103A
 Foss, Warren M. See Bartram, Stanley F.
 Foster, Richard P.; and Brodin, Gregory C.
 Sheet material containing exfoliated vermiculite. 60-05181P
 Foster, Thomas V.
 Glassware forming machines. 60-02394P
 Fotchenkov, A. A. See Fofanov, A. D.
 Fotiev, A. A. See Kirsanov, V. V.; Slobodin, B. V.
 Fourast, Henry-Pierre
 Majolica [pot] from Antwerp recently acquired from the National Museum of Ceramics at Sevres. 60-03319A
 Fournier, Jacques See Maire, Jacques
 Fowler, G. Gary; and Styron, Robert W.
 Fly ash in paving and structural concrete. 60-03361A
 Fox, A. See Key, P. L.
 Fox, E.
 Glass processing in the TV industry. 60-03536A
 Fox, K. E.; Furukawa, Toshiharu; and White, William B.
 Luminescence of Fe^{3+} in metaphosphate glasses—evidence for four- and six-coordinated sites. 60-02306A
 France, P. W.; Dunn, P. L.; and Reeve, M. H.
 Plastic coating of glass fibers and its influence on strength. 60-01126A
 Francis, Gaylord L. See Holmes, Curtis L.
 Franek, H. J.; and Frischat, G. H.
 Reactions between aqueous solutions and glass surfaces. 60-01147A
 Frank, Robert G.
 Glass sheet tempering apparatus. 60-00328P; Glass sheet vacuum molding apparatus with uniform release means. 60-00329P; Shaping glass sheets using molds of different shapes. 60-02445P; See also Thomas, Dean L.
 Frank, Robert G.; Canonaco, Rudy; and Posney, Richard V.
 Slotted glass sheet shaping mold. 60-05001P
 Franken, P. E. C.
 Grain boundaries in ceramic materials—influence and analysis. 60-00796A; See also Broese van Groenou, A.
 Franken, P. E. C.; and Gehring, A. P.
 Grain boundary analysis of MgO -doped Al_2O_3 . 60-04336A
 Frankish, A. W. See Gardiol, M.
 Franks, A. See Lindsey, K.
 Franz, G. See Hartmann, W.
 Franz, Helmut
 Fluorocarbon treatment for reducing the reactivity of a glass surface and product. 60-04930P; Organotin treatment for reducing the reactivity of a glass surface. 60-03799P
 Franzen, Douglas L.; and Day, Gordon W.
 Measurement of propagation constants related to material properties in high-bandwidth optical fibers. 60-01088A
 Franzosi, P. See Antonioni, G.
 Fratello, V. J.; Hays, J. F.; and Turnbull, D.
 Dependence of growth rate of quartz in fused silica on pressure and impurity content. 60-05590A
 Frazer, R. E., Jr. See Watkins, L. S.
 Frazier, Albert A.
 Method for making vacuum insulated container. 60-02417P
 Frazier, A. William See Gautney, Joe
 Frechette, Van Derck See Hudson, R. L.; Michalske, Terry A.
 Frechette, Van Derck; and Michalske, Terry A.
 Glaze-stress calculation from ring-test data. 60-00486A
 Frechette, Van Derck; Pulver, J. C.; and Rossington, David K.
 Coalescence of thin films of gold condensed on glass. 60-04688A
 Fredenberg, K. G.
 Experience gained in designing, building, and operating a 4700 tonnes/day production plant with precalciner at the Slite cement works in Sweden. 60-02111A
 Fredenberg, K. G.; and Von Wedel, K.
 Coal grinding and drying with vertical mill and inert gas circuit. 60-02083A
 Frederic, James
 Effects of atmosphere on color. 60-05018A
 Frederiksen, V. T. See Risager, Sverre
 Freeman, C. J. See Field, J. E.
 Freeman, Frank H. See Madhavan, Narayanan
 Freeman, M. See Wang, Y.
 Freid, M. Kh. See Il'icheva, L. A.
 Freidenberg, A. S. See Movsesyan, A. Kh.
 Freidenfelds, E. See Kleiner, R.; Maksimova, O. S.; Sitca, D.
 Freiman, Stephen W. See Pohanka, Robert C.; Rice, Roy W.; Simmons, Catherine J.
 Freimane, V. See Kleiner, R.
 Freimanis, V. A.; Kruchan, Ya. Ya.; and Kapostin'sh, P. P.
 Phase composition, structure, and some electrophysical properties of modified solid solutions based on lead zirconate-titanate. 60-05664A
 Frellér, H.; and Haessler, H.
 Deposition of tungsten-alumina composite films by oxide evaporation. 60-01742A
 French, Preston W. See Baitinger, William E.
 Frenkel, William G. See Lin, Chinlon
 Frenkel, A. S. See Antonov, G. I.
 Freund, Friedemann See Kathrein, H.
 Freund, Friedemann
 Atomic carbon in magnesium oxide: VIII, General discussion and outlook. 60-05564A; See also Knobel, R.; Wengeler, Heinz
 Freund, Friedemann; Kathrein, H.; and Wengeler, Heinz
 Atomic carbon in magnesium oxide: I, Carbon analysis by the $^{40}\text{Ca}(d,p)^{39}\text{Ca}$ method. 60-04273A; Atomic carbon in magnesium oxide: II, Laser flash-induced mass spectrometry. 60-04274A
 Freund, Friedemann; Knobel, R.; and Oberheuser, G.
 Atomic carbon in magnesium oxide: V, Hydrocarbon evolution. 60-05561A
 Freundlinger, Ernst See Hirschvogel, Alfred
 Frey, Emmo; and Scholze, Horst
 Lead and cadmium release from fused colors, glazes, and enamels in contact with acetic acid and food under the influence of light. 60-05217A
 Frey, Friedrich See Adhart, W.
 Frey, William I. See Cherenko, Joseph
 Frey, William I.; and Beestrie, William R.
 Method for developing a release surface on a glass mold. 60-04959P
 Fridlender, B. A.; Neshpor, V. S.; and Ordan'yan, S. S.
 Thermal conductivity and diffusivity of binary alloys of the ZrC-ZrB system at high temperatures. 60-04451A
 Friebele, E. J.; and Gingerich, M. E.
 Radiation-induced optical absorption bands in low loss optical fiber waveguides. 60-00252A
 Friebele, E. J.; Schultz, Peter C.; and Gingerich, M. E.
 Compositional effects on the radiation response of Ge-doped silica-core optical waveguides. 60-00991A
 Friedman, Robert A. See Moustakas, Theodore D.
 Friedrich, G.
 New facing brick works at Hude-Kirchimmen. 60-02486A
 Friedrich, Manfred See Matej, Jiri
 Friedrichs, James R.; Snajdr, Edward A.; and Klaudiviny, Bela
 Plastic refractories with fused alumina-chrome grog. 60-01443P
 Frischat, G. H. See Beier, Wolfram; Franek, H. J.; Herr, K.; Kassis, N.; Koehler, W.; Kriegesmann, Jochen
 Frischat, G. H.; and Schimpf, C.
 Preparation of nitrogen-containing $\text{Na}_2\text{O-CaO-SiO}_2$ glasses. 60-00247A
 Fritsch, Walter See Manshausen, Theodor
 Froberg, Dave
 Developing brick coatings to fit plant requirements. 60-05015A
 Froberg, M. Laird
 Electric melt furnace-electrodes inclined toward each other to vary the firing path during steady state operation and to create hot spots after heat loss or during start-up. 60-00316P
 Frolov, S. T.; Khaliliev, V. D.; and Pis'mennaya, Yu. V.
 Glass formation and properties of glasses in F-containing alkali-free gallogermanate systems. 60-04753A
 Frolov, S. T.; Khaliliev, V. D.; and Vakhrameev, V. I.
 Properties of alkali-free fluorosilicate glasses containing TiO_2 . 60-04836A
 Frolov, Yu. G. See Milonich, S. K.
 Fronz, V.; Roesser, B.; and Storch, W.
 Electrical and structural properties of Cr-SiO_2 thin films. 60-01527A
 Froschauer, Leonhard E.; Knappe, Rudolf U. B.; and Schmidt, Dieter H.
 Method and device for the production of an oxide ceramic tube. 60-04135P
 Frosien, Juergen See Anger, Klaus
 Frost, K.
 Modern developments in intermittent kilns. 60-01699A
 Fruehauf, Peter; Ibrahim, Salah E.; and Ludwig, Udo
 Influence of heating rate and cooling on the formation and properties of cement clinker. 60-04546A
 Frumar, M. See Koudelka, L.
 Fu, Bao-Fang See Lu, Xin-Sheng
 Fuchs, E. O. See Key, P. L.
 Fuchs, Ronald
 Optical excitations in small particles and thin films. 60-04375A
 Fujii, Taiichi; Maekawa, Zenichiro; and Tuchiya, Keiichi
 Strength of cement reinforced by short glass fibers investigated by the reliability concept—fiber content and temperature dependence. 60-04874A
 Fujii, Toshihiro See Ishizaka, Mitsuo
 Fujimori, Masatoshi See Niwa, Koichi
 Fujimori, Yoshinori; Ishizawa, Akio; and Hashimoto, Minoru
 Method for production of composite piezoelectric material. 60-04075P
 Fujimoto, Shoichiro; Yoshimura, Tadashi; and Ezaki, Masafumi
 Fundamental approach to workability of monolithic refractories. 60-02513A
 Fujishita, Hideshi See Tanaka, Masahiro
 Fujita, Hiroyuki; Suzuki, Yasuzi; and Tachibana, Atsushi
 Method of splicing optical fibers by CO_2 -laser. 60-03786P
 Fujita, Hisamori See Hasegawa, Shinichi
 Fujita, Masayuki See Kubo, Sukei
 Fujita, Masayuki; Kubo, Sukei; and Nakamura, Yasuo
 Apparatus for applying refractory material onto the inner surface of a furnace under monitoring by a TV camera. 60-00453P
 Fujita, Senji See Kishida, Toshio
 Fujita, Taketoshi See Okai, Bin
 Fujita, Tsutomu See Watanabe, Kiyoshi
 Fujiwara, Kunio See Shiozaki, Tadashi
 Fujiwara, Shinobu See Furukawa, Kiyoshi; Iizawa, Osamu
 Fujiwara, Shinobu; Furukawa, Kiyoshi; and Kikuchi, Nobuaki
 High dielectric constant type ceramic composition consisting essentially of $\text{Pb}(\text{Fe}_{1-x}\text{Nb}_x)_2\text{O}_7\text{-Pb}(\text{Mg}_{1-x}\text{Ta}_x)_2\text{O}_7$. 60-00553P; High dielectric constant type ceramic composition. 60-04065P
 Fukada, Eiichi See Furukawa, Takeo
 Fukazawa, Tokumasa See Ogi, Tetsu; Takagi, Kazumasa
 Fukuda, Mitsuo See Wakita, Koichi
 Fukuda, Susumu See Shiozaki, Tadashi
 Fukuhara, Mototada; and Morita, Kenichi
 Process for producing carbon fabric. 60-01832P
 Fukumoto, Teruhisa See Ogawa, Yoshinari
 Fukumoto, Yukio See Kishida, Toshio
 Fukuzaki, Fukushichi; Ishii, Yoshio; and Fukuzawa, Masaki
 Method and apparatus for manufacturing glass products by controlling free flow of low viscosity molten glass. 60-02412P
 Fukuzawa, Masaki See Fukuzaki, Fukushichi
 Fukuzuka, M. See Kawamoto, Yoji
 Fuller, E. R., Jr. See Ritter, John E., Jr.
 Fuller, E. R., Jr.; Wiederhorn, Sheldon M.; and Ritter, John E., Jr.
 Proof testing of ceramics: II, Theory. 60-00820A
 Fuller, John P. See Embrey, Peter G.
 Fuller, W.
 Tableware production in Ecuador: Ceramica Andina. 60-01493A
 Fulrath, Richard M. See Chandratraya, S. S.; Chiang, Shu-Sheng
 Funahashi, Toshihiko See Ichida, Toshio
 Funk, K.
 Assessment of [lime quarry] blasting [ground] vibrations and their effects. 60-02073A
 Funke, G.
 Pollution level prognoses for licensing procedures [using propagation models]. 60-02172A
 Fuoss, Dennis; and Topich, James A.
 Heavy-doping effects and impurity segregation during high-pressure oxidation of silicon. 60-03095A
 Furak, Andras See Kozma, Bela
 Furber, R.; and Thuerlimann, B.
 Strength of brick walls under enforced end rotations. 60-03853A
 Furman, B. K.; and Morrison, G. H.
 Direct digitization system for quantification in ion microscopy. 60-05427A
 Furuichi, Ryusaburo See Tsuchida, Takeshi
 Furukawa, Kiyoshi See Fujiwara, Shinobu
 Furukawa, Kiyoshi; Fujiwara, Shinobu; and Kikuchi, Nobuaki
 High dielectric constant type ceramic composition consisting essentially of $\text{Pb}(\text{Fe}_{1-x}\text{Nb}_x)_2\text{O}_7\text{-Pb}(\text{Mg}_{1-x}\text{Ta}_x)_2\text{O}_7$. 60-00552P
 Furukawa, Shigeo See Matsuda, Hideharu
 Furukawa, Takeo; Ishida, K.; and Fukada, Eiichi
 Piezoelectric properties in the composite systems of polymers and PZT ceramics. 60-01553A; Piezoelectric properties in the composite systems of polymers and PZT ceramics—correction. 60-05287A
 Furukawa, Toshiharu See Fox, K. E.
 Furukawa, Toshiharu; and White, William B.
 Raman spectroscopic investigation of the structure and crystallization of binary alkali germanate glasses. 60-00255A; Raman spectroscopy of heat-treated $\text{B}_2\text{O}_3\text{-SiO}_2$ glasses. 60-04840A; Structure and crystallization of glasses in the $\text{Li}_2\text{Si}_2\text{O}_7\text{-TiO}_2$ system determined by Raman spectroscopy. 60-04877A; Vibrational spectra and glass structure. 60-00293A
 Furumi, Koichi See Morimoto, Tadashi
 Furumi, Koichi; Ezaki, Masafumi; and Yoshimura, Tadashi
 Estimating method of workability of plastic refractory. 60-05080A
 Furumi, Koichi; Kiwaki, Sukekazu; and Yoshitomi, Joki
 Relation between pH and rheological properties of oxide slips. 60-05114A
 Furumi, Koichi; Semba, Kimio; and Ono, Noriaki
 Result of [using] high alumina ramming material in an electric furnace roof center. 60-05119A
 Furumi, Koichi; Semba, Kimio; and Shikano, Hiroshi
 Observation of used lower nozzles on sliding nozzle. 60-04429A
 Furumi, Koichi; Yagi, Takao; and Kamada, Yoshiyuki
 Behavior of secondary spinel in burned magnesia-chrome brick. 60-05055A

- Fuss, F. N. See Brady, D. P.
- Futami, Shunichi See Tomioka, Kentaro
- Futamoto, Masaaki See Nakazawa, Masatoshi
- Fuyama, Morisaki; Honda, Haruhiko; and Ura, Mitsuru
Surface hafnium-titanium carbide coated hard alloy and method. 60-05552P
- Fuziwaru, Shigeru; and Tamura, Shinichi
Blast furnace hearth. 60-05148P
- Fyfe, William S. See Karkhanav, Suresh N.
- Gasar, H. See Hoffmann, Ulrich
- Gabe, E. J. See Le Page, Y.
- Gabelica-Robert, Melanie; and Tarite, P.
Vibrational spectra of akermanite-like silicates and germanates. 60-04462A
- Gaboriaud, R. J.
Climb motion of dislocations in oxides. 60-00774A
- Gabriel, H. M. See Brosziet, E.
- Gac, F. D.; Bieler, T. R.; and Chakraverty, J. P.
Design analysis of an automotive exhaust gas sensor. 60-00705A
- Gacesa, Tea See Matkovic, Boris
- Gadaev, A. Y. See Nudelman, B. I.
- Gadalla, A. M. See Elia, M. A.
- Gadalla, A. M.; and Enayattallah, M. E.
Characterization and microwave reflectivity of enameled and flame-sprayed coatings. 60-00952A
- Gaerem, Hans See Sijm, Klaus
- Gaerem, Andreas See Bohac, Petr
- Gaevska, V. A. See Dambekalne, M.
- Gaevskaya, L. A.; Paderno, V. N.; and Martynenko, A. N.
Electron-microscopic investigation of the topography of [Nb₂W] surfaces machined with refractory [Ti, Nb, W] carbide micropowders. 60-00872A
- Gaggi, G. I. See Akhimenko, V. E.
- Gaggioli, N. G.; and Roblin, M. L.
Studies of surface states by the properties of diffusion in transmitted light at infinity. 60-03691A
- Gagin, L. V.
Development of fiber glass—a history of glass compositions and materials. 60-02263A
- Gagnaire, H.; Goure, J. P.; and Massot, J. N.
Intrinsic diameter of an unclad fiber of any shape—definition and numerical calculation. 60-01068A
- Gagne, S. See Plamondon, R.
- Gagunashvili, D. S. See Verulashvili, R. D.
- Gaidelis, G. A. See Kudakov, A. I.
- Gaiduk, A. P. See Kovchur, S. G.
- Gaidzurov, P. P. See Ponomarev, I. F.; Vilkov, S. M.
- Gailevich, S. A. See Bobkova, N. I.; Gorodetskaya, O. G.
- Gaillard, Jacques See Caspar, Jean-Pierre
- Gaivudinova, R. L. See Kharchenko, L. Yu.
- Gaisinski, G. Ya.; Sil'vestrovich, S. I.; and Lisenenkov, A. A.
Slag glass opacified with ZnS. 60-00268A
- Gajda, Joseph J.
Etchant for silicon dioxide films disposed atop silicon or metallic silicides. 60-01588P
- Gai, J. See Jove, J.
- Gal, Tibor See Cornides, Istvan
- Galakhov, F. Ya.
Melting characteristics of mullite 3Al₂O₃·2SiO₂. 60-05651A
- Galakhov, F. Ya.; Aver'yanov, V. I.; and Vavilova, V. T.
Liquation in the system Ga₂O₃·B₂O₃·SiO₂. 60-04792A; Phase separation in silicate systems with two oxide modifiers. 60-01123A
- Galakhov, F. Ya.; Gorovaya, B. S.; and Demskaya, E. L.
Metastable liquation in glasses of the system Nd₂O₃·Al₂O₃·SiO₂. 60-01093A
- Galambos, Mrs. Attila
Color measurement in the ceramic whitewares industry—experiences at the Alford China Factory. 60-03954A
- Galan, V. M. See Krivosova, N. T.
- Galani, E. I. See Burkat, T. M.
- Galani, E. I.; Koricheva, I. V.; and Levenberg, V. A.
Optical glass. 60-01282P
- Galani, V. E.; Smirnova, E. V.; and Urusovskaya, L. N.
Structure and properties of aluminofluorophosphate glasses with fluorides of Group II and III elements. 60-03684A
- Galasso, Francis S. See Brennan, John J.
- Galasso, Francis S.; and Veltri, R. D.
Sintering of Si₃N₄-Y₂O₃ under nitrogen pressure. 60-01973A
- Gale, Ronald P. See Fan, John C. C.
- Galeener, Frank L.
Raman spectra of defects in neutron bombarded and Ge-rich vitreous GeO₂. 60-01555A; See also Mikkelsen, J. C., Jr.
- Galeener, Frank L.; Lucovsky, Gerald; and Mikkelsen, J. C., Jr.
Vibrational spectra and the structure of pure vitreous B₂O₃. 60-03245A
- Galeone, G.
Method for evaluating drying sensitivity. 60-02842A
- Galetti, G. See Maggietti, M.
- Galicki, Arkadi; Hayunga, Carl P.; and Sarkary, Homi G.
Sputtering system for optimizing quartz deposition uniformity. 60-02793P
- Galitskaya, V. V.; Ershova, L. A.; and Pavlushkin, N. M.
Relation between temperature and photosensitivity of photochromic glasses. 60-00261A
- Galkin, P. N. See Olifer, V. P.
- Galkin, Yu. M.; Saulin, A. B.; and Olshvang, Yu. N.
Device for gaging thickness of refractory lining. 60-05161P
- Gallais, O. See Bullot, J.
- Gallet, P.; and Ropke, A.
Interesting application of glass for solar energy collection—antifouling cellular structures. 60-04774A
- Gallyas, Miklos; Hilger, Miklos; and Mihaly, Vadasz
Radioisotopic examination of material flow in closed circuit cement ball mills. 60-03378A
- Gal'perina, T. Ya. See Timashev, V. V.
- Galustyan, O. G. See Pavlushkin, N. M.
- Gam, N. S. See Olekyuk, I. D.
- Gan, Fusi [Kan, Fu-hsi]
Laser material research in China. 60-03582A
- Gancy, A. B.; Rao, J. M.; and Wenner, W. M.
Dehydration of aluminum sulfate hydrates. 60-03055A
- Gancev, I. G. See Rumyantsev, V. N.
- Gangopadhyay, P. K.
Oxidation-reduction equilibrium of the oxides of chromium in alkali borate glasses. 60-04820A
- Ganguli, Dibyendu; and Saha, Prasenjit
Some aspects of ion-exchange and catalytic activity of faujasite-type molecular sieve zeolites. 60-05519A
- Gani, M. S. J.; and McPherson, R.
Structure of plasma-prepared Al₂O₃·TiO₂ powders. 60-00731A
- Ganits, F.; Chemekova, T. Yu.; and Udalov, Yu. P.
System SrO·Al₂O₃. 60-04445A
- Gannon, John R.
Optical fiber materials for operating wavelengths longer than 2 μm. 60-01114A
- Ganskau, N. Ya. See Zakharenkov, V. K.
- Ganzala, Gary W. See Chrisman, Max G.
- Ganzer, C.; and Beltrami, G.
General aspects of energy consumption in the glass industry. Technical-economic studies of energy savings in a glassmelting furnace. 60-01050A
- Gaodu, A. N. See Kalinovskaya, I. N.
- Gaodu, A. N.; Suenko, E. P.; and Subochev, I. G.
Production and applications of highly efficient thermal-insulating refractories. 60-05104A
- Gaodu, A. N.; Subochev, I. G.; and Pitak, N. V.
Production of refractory glass fiber from natural raw materials. 60-01387A
- Gapon, N. V.; and Dudko, K. L.
Orientation phase transition and intermediate state of monoclinic antiferromagnetic NiWO₄ in an external longitudinal field. 60-04376A
- Gaprindashvili, G. G. See Kutateladze, K. S.
- Garbarino, Paul L.; Makarewicz, Stanley R.; and Shepard, Joseph F.
Method for forming semiconductor structure with improved isolation between two layers of polycrystalline silicon. 60-02754P
- Garbuz, N. G. See Ugryumova, M. A.
- Garcia Ramos, G. See Bernal Duenas, A.
- Gard, J. A. See Han, K. S.
- Garda, A. P. See Tkachenko, Yu. G.
- Gardelli, Giuliana
Ceramics in Rimini—a historical and methodological introduction for a systematic study. 60-02056A; Devotional depiction in a majolica at the Municipal Museum of Rimini—an artist's workshop in Rimini at the end of the 16th century. 60-03310A
- Gardioli, M.; and Frankish, A. W.
Fused-cast AZS chrome-bearing refractory materials for all-electric furnaces. 60-05081A
- Gardner, E. B.
Electronic tube height control. 60-02273A
- Gardon, Robert
Nonlinear annealing of glass. 60-02320A
- Gardope, G. J.; Newham, Robert E.; and Halliay, A. G.
Pyroelectric glass-ceramics. 60-02333A
- Garg, K. B. See Jan, Dhansh C.
- Garg, S. P. See Krishnamurthy, N.
- Garg, S. P.; and Ackermann, R. J.
Solubility of oxygen in liquid uranium and the composition of the lower phase boundary of uranium dioxide at 1950 K. 60-03587A
- Garkushin, I. K. See Trunin, A. S.
- Garles, I.; Miron, C.; and Ilie, P.
Measurement of fission density distribution by the tracer method in dielectrics [solid state track recorder (SSTR)]. 60-02804A
- Garmire, E. See Findakly, T.
- Garnier, John E. See Rupaia, A. S.
- Garnier, P. R.
Colored streaks and blisters—formation on the surface of glass-ceramic plates. 60-00990A
- Garofalini, Stephen H. See Bahnsen, E.
- Garofalini, Stephen H.; Banas, R.; and Creedon, J.
Development of high viscosity coatings for advanced space shuttle applications. 60-02945A
- Garoff, Stephen; and Hanson, Craig D.
Optical characterization of powders—the use of Mie theory and composite media models. 60-04153A
- Garrison, John D.
Selective absorber on glass and method for its production. 60-00374P
- Garrison, Lilburn H.
Extrusion mold and method for growing monocrystalline structures. 60-00544P
- Garvie, Ronald C.; Hannink, Richard H. J.; and McKinnon, Neil A.
Partially stabilized zirconia ceramics. 60-05541P
- Gaskell, P. H.; and Tarrant, I. D.
Refinement of a random network model for vitreous silicon dioxide. 60-01963A
- Gas'kov, A. M. See Novoselova, A. V.
- Gatehouse, B. M. See Johnson, A. W. Syme
- Gater, Robert See Bradshaw, A.
- Gater, Robert; and Hancock, David L. J.
Machines suitable for use in the manufacture of ceramic ware [cup handle trimmer]. 60-00495P
- Gaukler, L. J. See Doerner, P.
- Gault, C. See Fargot, D.
- Gauthier, M. See Bullot, J.
- Gautney, Joe; Frazier, A. William; and Kim, Yong K.
Systems NH₄-SO₃-P₂O₅-H₂O and NH₄-SO₃-SO₃-P₂O₅-H₂O at 25°C. 60-03221A
- Gauvin, W. H. See Biceroglu, O.; Marchildon, E. K.; Sayegh, N. N.
- Gavin, D. L. See Syed, R.
- Gavrilova, N. D.; Koptisk, V. A.; and Novik, V. K.
Proustite crystals—a new trigonally reoriented ferroelectric-semiconductor. 60-01961A
- Gavrilashchenko, V. G. See Barabanova, L. A.
- Gbogi, E. O.; Chung, K.-H.; and Moynihan, Cornelius T.
Surface and bulk -OH infrared absorption in ZrF₄ and HfF₄-based glasses. 60-02342A
- Gebhart, F. L. See Erickson, J. J.; Peters, J. W.
- Gee, Kenneth H.; and Kreiger, John W.
Method for treating granulated blast furnace slag. 60-00944P
- Geelen, John
Automation of hand-decorating techniques. 60-01465A
- Gehin, Guy See Remi, Jean-Pierre
- Gehring, A. P. See Franken, P. E. C.
- Geidel, T. See Hopf, W.
- Geiger, J. E. See Evans, D. L.
- Geller, Gunter See Ziegenbalg, Siegfried
- Geirnert, Gilles
Kaolin clays and their uses. 60-00717A
- Geismar, G.
Influence of impurities on the color properties of a saturated overglaze color. 60-04625A
- Gelatt, C. D., Jr. See Huisman, L. M.; Kivelson, S.
- Gel'd, P. V. See Ivanov, N. A.
- Gelli, P. A. M.
Safety factors affecting electric melting. 60-03663A
- Gencheva, G.; Lepkova, D.; and Isiofov, S.
Water permeability of acid-resistant ceramics. 60-05139A
- Gendron, C. See Velde, B.
- Genevois, Jean L.; Piva, Renato; and Piceno, Ascoli
Continuous ring furnaces for baking and rebaking carbon articles. 60-00662P
- Genis, A. P.; Smith, P. A.; and Emery, K.
Efficient indium tin oxide/polycrystalline silicon semiconductor-insulator-semiconductor solar cells. 60-02630A
- Gens, A. M. See Razgon, E. S.
- Gentil, Pierre
Simple method for evaluating electronic properties at silicon-sapphire interface. 60-02856A
- Gentilman, Richard L.
Fusion-casting of transparent spinel. 60-05512A; See also Maguire, Edward A., Jr.
- Gentilman, Richard L.; Maguire, Edward A., Jr.; and Starrett, H. S.
Strength and transmittance of sapphire and strengthened sapphire. 60-05292A
- Georg, W. See Schroeder, W.
- George, C. M.
Hydration kinetics of refractory aluminous cements and their influence on concrete properties. 60-00917A
- George, Nicholas
See Abushagur, Mustafa A. G.
- Georgiev, Georgi M. See Koychev, Todor Y.
- Gerrard, P. See Deneuille, Alain
- Gerasim, I. D. See Chaban, N. F.
- Gerasimenko, A. K. See Vol'fon, R. E.
- Gerasimenko, V. S. See Khiminet, V. V.; Koshkin, V. M.
- Gerasimova, I. See Neov, S. D.
- Gerdanian, P. See Millot, F.
- Gerst, Pierre See Boeuf, Jean-Marie
- Gerlach, Pierre; and Hoet, Roger
Method of fabrication of flat grids of pyrolytic graphite for electron tubes. 60-02766P
- Gerlach-Meyer, U.; Coburn, J. W.; and Kay, E.
Method for increasing the etch-rate ratio of oxides to nonoxides in inert gas ion milling processes. 60-02674A
- German, Randall M.
Gold alloys for porcelain-fused-to-metal dental restorations—their hardening by ordering of an FePt-type compound. 60-02588A
- Germanino, G.; and Macchi, G.
Experimental research of a frame-idealization for a bearing-wall multistory structure. 60-03836A
- Gershinskii, A. E.; Krivosova, V. L.; and Mironova, L. V.
Investigation of alkali metal migration and accumulation in the SiO₂/Si system—structure of the interface. 60-02660A
- Gerstel, A. W.
Homogenization of bulk material in blending piles. 60-02127A

- Gerstenberg, Bernhard. See Flaechsenhaar, Edgar
- Gerstenberg, D. See Brady, D. P.
- Gervais, Francois. See Billard, Didier
- Gervais, Jean P. See Maire, Jacques
- Get'man, E. I.; and Marchenko, V. I.
Phase diagrams of systems containing molybdates of iron, cobalt, and nickel. 60-03153A
- Gettemy, Donald J. See Barnes, Norman P.
- Geyling, F. T. See Rongved, L.
- Ghalsasi, S. V.; Chaudhri, S. M.; and Bhidai, M. R.
Thermal analysis of BeO, MgO, and CaO heated on tungsten using mass spectrometric technique. 60-02002A
- Chandhi, Sorab K.; Field, Robert J.; and Shenly, James H.
Highly oriented ZnO films grown by the oxidation of diethylzinc. 60-02651A
- Ghatak, A. K. See Pal, B. P.
- Ghatak, Sankar
Dehydration-rehydration behavior of a synthetic aluminosilicate hydrogel in different cationic form: I. Dehydration and differential dehydration. 60-01872A; See also Mitra, N. K.
- Gheorghe, Gheorghe
Foam glass—thermo-, phono-, and hydro-insulating material. 60-04746A
- Ghez, R. See Di Maria, D. J.
- Ghiani, M.; and Trudu, I.
Industrial-scale recovery through flotation of quartz for glass production. 60-01712A
- Ghosh, Mehdi. See Derie, Rene
- Ghosh, N. A. See Ahmed, Ahmed A.; El-Batal, H. A.
- Ghose, A. See Barnes, P.
- Ghose, A.; and Barnes, P.
Unusual form of belite in portland cement clinker. 60-04574A
- Ghose, M. C.; and Verma, S. S.
Chemical resistance of boron-free white enamels for steel. 60-00953A
- Ghose, R. K.; and White, James
Constitutional factors affecting the relation between CaO/SiO₂ ratio and hot strength in magnesia-based refractories. 60-03879A
- Ghosh, B. N. See Mitra, S. K.
- Ghosh, P. K.; and Das, A. R.
Preparation and characterization of forsterite and measurement of its dielectric constant and loss factor in the frequency range of 100 kc/s to 25 mc/s. 60-01958A
- Ghosh, S. N.; Baral, S. C.; and Gaha, S. K.
Physicochemical properties of some china clay samples from Darugri deposits of Garo Hills, Meghalaya [India]. 60-05672A
- Ghosh, Surendra Nath
Lowering fuel consumption in cement industry. 60-00034A
- Ghosh, Surendra Nath; and Handoo, S. K.
Infrared and Raman spectral studies in cement and concrete. 60-03367A
- Ghoshal, P. K. See Nandi, D. N.
- Giachello, Angelo; Martinengo, Pier Carlo; and Tommasini, Giuseppe
Sintering and properties of silicon nitride containing Y₂O₃ and MgO. 60-00729A
- Giannio, Peter D.; and Bendow, Bernard
Calculations of stress-induced changes in the transverse refractive-index profile of optical fibers. 60-02249A
- Giardi, L.; Bottoni, G.; and Candolfo, D.
Ceramic and magnetic properties of strontium hexaferrite powders prepared by a fluidized bed technique. 60-02393A
- Gibbons, D. F.
Biocompatibility of Macor glass-ceramic. 60-05502A
- Gibbons, J. F. See Kamins, T. I.; Nissim, Y. I.
- Gibbons, James F. See Brown, D. M.
- Gibbs, A. J. See Stotlar, S. C.
- Gibson, James O.; and Gibson, Mark G.
Production of carbon fiber-tantalum carbide composites. 60-05547P
- Gibson, Mark G. See Gibson, James O.
- Gidley, Gerald B. See Baliga, Bantval J.
- Gies, Edward A.
Magnetic bubble materials. 60-02671A
- Giesen, B. C. See Chaudhari, P.
- Gigi, Paul D. See Bovenkerk, J. P.; Dennis, Mahlon D.
- Gillard, P. See Van Cangel, L.
- Gilchrist, Kevin E. See Brockelhurst, James D.; North, Bernard
- Giles, Maurice R. See Chiron, Georges
- Gilev, I. S.; Volynets, F. K.; and Logunov, F. N.
Bending strength of electrooptical ceramics in the region 20–800°C. 60-05264A
- Gill, M. S. See Vaidya, S. N.
- Gill, N. G.; Luster, S. G.; and Mironov, A. N.
Concentration quenching of Nd, Er, and Yb luminescence in phosphate glasses. 60-04691A
- Gillet, G.; and Houot, R.
Recovery of glass from incinerated urban wastes. 60-01149A
- Gilliar, Wolfgang. See Bickel, William S.
- Gilliland, Hall. See Milhollen, William F.
- Gilman, Michael; and Rushton, Robert M.
Sponges for use in removing seams from clay handles. 60-03995P
- Gilmer, G. H.
Computer models of crystal growth. 60-03047A
- Gimblett, Gareth; Rahman, A. Akur; and Sing, Kenneth S. W.
Thermal and related studies of some zirconia gels. 60-04450A
- Gladin, E. I. See Nenaseva, E. A.
- Gingerich, M. E. See Fricke, E. J.
- Gintert, Dean W.
Removing fragments of fractured glass sheets during tempering. 60-01295P
- Giordano, Giavelli
Machine and service truck assembly for loading, unloading, and storing ceramic tiles. 60-01657P
- Giordano, Nicola
Effect of the support on the chemistry and catalytic activity of metal oxides. 60-00709A
- Giordano, Vito Lorenzo; and Castellani, Mauro
Energy reclamation in a tunnel kiln for bricks. 60-02875A; Energy recovery of a Hoffmann kiln. 60-05460A
- Giovann, M. N.; and Sines, George
Strength of a ceramic at high temperatures under biaxial and uniaxial tension. 60-03202A
- Giovannola, J. H.; and Finnie, I.
Machining of glass. 60-01084A
- Girard, Philippe; and Poisson, Bernard
Fire resistant glass window. 60-03747P
- Girard, Pierre. See Slonina, Jean-Pierre
- Girgis, Mikhail M.
Glass fiber coating composition. 60-02389P
- Giridhar, A.; Narasimhan, P. S. L.; and Mahadevan, Sudha
Density and microhardness of Ge-Sb-Se glasses. 60-03468A; Electrical properties of Ge-Sb-Se glasses. 60-00146A
- Gisler, Henry J.
Lime slaking apparatus. 60-03396P
- Gittus, John H. (Editor)
Irradiation Effects in Crystalline Solids. 60-02030B
- Givens, Edwin N. See Greskovich, Eugene J.
- Gladkaya, N. V. See Kamenetskii, Yu. L.
- Gladush, V. M. See Kochuev, E. S.
- Gladush, V. M.; Eremenko, N. G.; and Markina, L. V.
Acid-resistant enamel. 60-00960P
- Gladyshevskii, E. I. See Yarmolyuk, Yu. P.
- Gladyshevskii, E. I.; and Kotur, B. Ya.
Crystal structures of two compounds Sc₂CoSi₂ and Sc₂CoSi₃. 60-01865A
- Glandus, J. C.; and Boch, P.
Nondestructive testing of thermal shock resistance of ceramics. 60-01676A; Use of disk-shaped specimens for measuring the mechanical properties of brittle materials. 60-00847A
- Glandus, J. C.; Platon, F.; and Boch, P.
Measurements of the elastic moduli of ceramics. 60-00638A
- Glaser, H. I.; Meyers, F. D.; and Riser, Elmer F.
Method for manufacturing glass fibers. 60-00344P
- Glasgow, Thomas K. See Herbell, Thomas P.
- Glass, A. M. See Negran, T. J.
- Glass, A. M.; and Nassan, Kurt J.
Lithium ion conduction in rapidly quenched Li₂O-Al₂O₃, Li₂O-Ga₂O₃, and Li₂O-Bi₂O₃ glasses. 60-02303A
- Glass, Howard L.; and Elliott, Michael T.
Method for controlling the resonance frequency of yttrium iron garnet films. 60-05324P
- Glass, Howard L.; Elliott, Michael T.; and Henry, Rodney D.
Temperature-stabilized low-loss ferrite films. 60-04103P
- Glass, Howard L.; and Henry, Rodney D.
Process for preparing temperature-stabilized low-loss ferrite films. 60-05341P
- Glass, Howard L.; Liaw, Jinn-Herny W.; and Kobayashi, Tsutomu
Self biased ferrite resonators. 60-02789P
- Glass, Roger W.; and Kuntze, Richard A.
Method of heat treating chrysotile asbestos fibers. 60-03933P
- Glasser, F. P. See Evans, E. M.; Han, K. S.; Jantzen, Carol M.; Smart, R. M.
- Glasser, F. P.; and Marr, J.
Sulfates in cement clinkering—immiscibility between sulfate and oxide melts at 1350°C. 60-03383A; Synthesis of anhydrous silicates containing double chain anions, Si₂O₇⁴⁻. 60-03214A
- Glasser, L. S.; Dent; and Smith, D. N.
Occurrence of phosphosilicates. 60-03624A
- Glazman, M. S. See Abbakumov, V. G.
- Glazyrin, M. P.; and Krasnikov, V. N.
Phase compositions of the subsolidus systems K₂O-V₂O₅-SiO₂ and K₂O-V₂O₅-Al₂O₃. 60-03151A
- Glebov, L. B. See Trukhin, A. N.
- Glebycheva, A. I. See Maslennikov, G. N.
- Gleitner, Charles
Diversity and complexity of wustite solid solutions: I. Tentative rationalization of miscibility data and classification of wustite ternary fields and of postsaturation reactions. 60-04302A; Diversity and complexity of wustite solid solutions: II. Some properties connected with the localized electron state. 60-04303A
- Glemeroth, Georg; Meckel, Lothar; and Heinemann, Peter
Optical fibers for communication transmission having high stability to nuclear radiation. 60-02433P
- Glineur, Michel. See Tausin, Pierre
- Glitza, Horst W. See Wesche, Karlhans
- Glover, C. H.
Precision glassworking machinery from the U.K. 60-03641A
- Glover, Charles G.
Apparatus for combining articles from plural lanes into a single lane. 60-03724P
- Glukhovskii, V. D.; Krivenko, P. V.; and Den'yashova, L. E.
Ceramic material for manufacturing acid-resistant articles. 60-01325P
- Glushkov, E. D. See Pazin, A. V.
- Glushkova, V. B.; Hamir, F.; and Sazonova, L. V.
Lattice parameters of cubic solid solutions in the systems yR₂O₃-(1-y)MO₃. 60-03120A
- Gnesin, G. G. See Dyban, Yu. P.; Yavorskii, I. A.
- Gnesin, G. G.; and Shipilova, L. A.
Electrophysical characteristics of self-bonded polycrystalline silicon carbide. 60-01350A
- Gnidash, N. I. See Bazakutsa, V. A.
- Gnitetskii, V. I. See Ignatyuk, V. A.
- Gnusz, V. P. (Editor)
Production of Staple-Fibered Glass Yarns (Proizvodstvo Stapelirovannoi Steklopyazhi). 60-03289B
- Godmann, I. T. See Trukhin, A. N.
- Goeke, H.
Environmental protection in the pit and quarry industry. 60-02109A
- Goedens, D. See Boeder, Horst
- Goell, Gerd. See Dombrowe, Helfried
- Goetsch, Martin
Shedding light on solar-collector glazings. 60-00958A
- Goetz, Jiri. See Wicker, Wolfgang
- Goffi, Luigi
Tangential adherence between concrete and heavy clay items—considerations and test results. 60-02860A
- Gogea, L. See Becherescu, D.
- Gogishvili, O. Sh.; Koonoykhin, V. S.; and Lavrinenko, I. P.
Defect structures of high-temperature modification of germanium telluride. 60-00781A
- Gogotski, G. A.; Grushchinskii, Ya. L.; and Strelov, K. K.
Significance of nonelastic deformation in the fracture of heterogeneous ceramic materials. 60-02528A
- Gohy, C.; Levert, J. M.; and Riquier, Y.
Evaluation of LD slags in cement manufacture. 60-04533A
- Golkman, V. Yu. See Bondarev, K. T.; Varshal, B. G.
- Golkshstein, Ya. P.; Romonov, A.; and Telegin, G. P.
Refractory packing body. 60-01456P
- Goland, A. N. See Klaffky, R. W.
- Golnacker, Hubert; Koch, Genter; and Schneider, Helmut
Dissolver for removing nuclear fuel materials from fuel element segments. 60-02812P
- Goldberg, Gershon M. See Masters, Joseph I.
- Goldberg, I. See Karklit, Alexander
- Goldberg, Ira B.
Low-power nonlinear effects in the ferromagnetic resonance of spheres of BaZn₂Fe₂O₇. 60-01920A
- Goldberger, William M. See Parekh, Bhupendra K.
- Goldblatt, Barry. See Saboe, Michael S.
- Goldman, Don S.; and Berg, James I.
Spectral study of ferrous iron in Ca-Al-borosilicate glass at room and melt temperatures. 60-00271A
- Goldman, Jon C.; McMillan, Larry D.; and Price, James B.
Deposition of silicon nitride. 60-05310P
- Goldmann, Wolf; and Rother, Wolfgang
Process for the heat-treatment of fine grained material [cement]. 60-03411P
- Goldsmith, Jeff M. See Yates, Douglas A.
- Goldstein, Howard E. See Leiser, Daniel B.
- Goleus, V. I. See Belyi, Ya. I.
- Golk, E. M. See Dazhuk, K. V.
- Golley, C. R. L. See Noble, F. R.
- Golosova, L. V.
Use of glass fiber containing ZrO₂ for the production of fiber-reinforced cement. 60-04576A
- Golovko, V. N. See Pokhodnya, I. K.
- Golovko, Zh. A. See Antonov, G. I.
- Goltsov, Yu. I. See Mal'tsev, V. T.; Nesterenko, P. S.
- Golub, A. M. See Kleitsov, P. V.
- Golub, A. M.; Nedil'ko, S. A.; and Goshchinskii, S. M.
Solid solutions of Gd and Yb chromito-aluminates [LnCr₂-Al₂O₃; Ln=Gd, Yb]. 60-01976A
- Golubkov, V. V.; Vasilievskaya, T. N.; and Porai-Koshits, E. A.
SAXS [small angle X-ray scattering] study of the structure of glasses containing no modifying oxides. 60-00264A
- Golyamina, I. P. See Ugryumova, M. A.
- Gomez, Ernesto
Lightweight concrete with Chilean expanded clays [aggregate]. 60-03370A
- Gomi, Manabu. See Abe, Masanori
- Goncharov, A. N.; Iusenko, A. I.; and Trunov, G. V.
Refractory composition for lining heating units. 60-01453P
- Goncharov, E. G. See Ugai, Ya. A.
- Gonzales, Frank, Jr. See Eggerding, Carl L.
- Gonzalez, Francisco J.; and Halloran, John W.
Strength and microstructure of phosphate-bonded alumina refractories. 60-03912A
- Gonzalez Garcia, F. See Bernal Duenas, A.; Carriosa, I.
- Gonzalez-Oliver, C. J. R.; and James, Peter Finlay
Crystall nucleation and growth in an Na₂O-2CaO-3SiO₂ glass. 60-00125A
- Geo, Edward K. W.; Mishra, Raja K.; and Thomas, Gareth
Transmission electron microscopy of Pb(Zr_{1-x}Ti_x)₂O₇. 60-05300A

- Goodnight, Hershel E. See Reed, Robert D.
- Goodwin, Charles A.; and Ota, Yusuke
Method of making a hyperabrupt varactor diode utilizing molecular beam epitaxy. 60-00577P
- Goossens, John C.
Glass-polycarbonate laminate. 60-01808P
- Gopakumar, K. See Patel, M.
- Goranchev, B. See Orlov, V.
- Goranchev, B.; Orlov, V.; and Przyborowski, F.
Structure of aluminum oxide films deposited by dc reactive sputtering. 60-02713A
- Gorbanchev, V. V. See Berstein, V. A.
- Gorbanchev, V. V.; Klyukin, A. B.; and Filatova, T. A.
Effect of chemical composition on the crystallization of Fe aluminosilicate glasses. 60-04716A
- Gorbanov, R. F.; Orlov, G. N.; and Zakharov, R. G.
Synthesis and some properties of spinel phases in the system Li-Mn-Fe-O. 60-03213A
- Gorbovitskii, G. M. See Popov, A. A.
- Gorbovskaya, G. P. See Viting, L. M.
- Gorbanova, N. N. See Peshekhonov, N. D.
- Gordeev, S. Ya. See Bezpeknii, V. A.
- Gordon, Mack
Metalized amorphous silica fabric for high temperature use. 60-02409P
- Gordon, Ronald S. See Shetty, Dinesh Kumar; Youngblood, Gerald E.
- Gordova, M. R. See Poluboyarinov, D. N.
- Goreaud, Michel; Labbe, P.; and Raveau, B.
Mixed-valence tungsten oxide of divalent tin, $\text{Sn}_x\text{W}_{1-x}\text{O}_4$: I. Structure determination. 60-05657A; Mixed-valence tungsten oxide of divalent tin, $\text{Sn}_x\text{W}_{1-x}\text{O}_4$: II. Analysis of the structure and stereoactivity of the Sn(II) lone pair. 60-05658A
- Goretzki, H. See Brueckner, Rolf
- Gorham, D. A. See Matthews, M. J.
- Gorin, Georges J.
Method for process control of a plasma reaction. 60-04074P
- Goring, Michael J. See Thomas, Gareth
- Gork'aya, Z. I. See Artamonova, G. I.; Zakharenko, N. I.
- Gorlov, Yu. P.; Sokov, V. N.; and Skripka, S. I.
Charge for manufacturing lightweight refractories. 60-01424P
- Gorlov, Yu. P.; Volochienko, L. N.; and Rogovoi, M. I.
Selection of batch compositions for granulated foam glass used as a filler for the production of cellular plastics. 60-01154A
- Gorman, Harold R.; and Plocki, Leonard R.
Method for reducing roll marking of glass sheets. 60-03776P
- Gorner, Julius K.
Method of prestressing at least one bent sheet of a sandwich-type safety glass. 60-03783P
- Gorodetskaya, O. G. See Bobkova, N. M.
- Gorodetskaya, O. G.; and Galilevich, S. A.
Some physicochemical properties of glasses in the system $\text{Na}_2\text{O}-\text{ZnO}-\text{B}_2\text{O}_3-\text{ZrO}_2-\text{SiO}_2$. 60-04865A
- Gorodetskaya, O. G.; and Yankovskaya, S. A.
Glass formation and crystallization capacity of glasses in the system $\text{Na}_2\text{O}-\text{B}_2\text{O}_3-\text{Al}_2\text{O}_3-\text{ZrO}_2-\text{SiO}_2$. 60-04752A
- Gorodnev, A. L. See Brekhovskikh, S. M.
- Gorovaya, B. S. See Galakhov, F. Ya.
- Gorre, Luisa E. See Pastor, Ricardo C.
- Gorska, M.; Beaulieu, R.; and Loferski, J. J.
Spray pyrolysis of silver indium sulfides. 60-01563A
- Gorst, Dorothy See Bramham, Fred
- Goryushkin, V. F. See Lavtsev, D. M.
- Goshen, R. See Nimirovsky, Y.
- Gossard, Arthur C. See Dingle, Raymond
- Gosse, Alain See Anton, Octavian
- Gosink, Robert G. See Khoe, G. D.
- Goto, Hajime; Amemiya, Ikuzo; and Nakayama, Masanobu
Apparatus for producing Braun tubes. 60-03726P
- Goto, Kanji; Yamaguti, Tiyoami; and Mikami, Yorihiro
Hot blast furnace lining repairing apparatus. 60-02547P
- Goto, Moto; and Echigoya, Takumi
Effect of injection melting jet characteristics on refractory wear in the Mitsubishi process. 60-01346A
- Goto, Takashi See Hirai, Toshio
- Goto, Takenari See Kashio, Shigeki
- Goto, Tomoko
Glass-coated melt spinning of gold filaments. 60-03541A
- Gotou, Kanzi See Inoue, Yasuo
- Gottardi, Vittorio See Fagherazzi, Giuliano
- Gottschalk, B.
Conversion of tunnel kilns to coal firing. 60-02871A
- Gotuk, Ali Atarik See Babany, M. B.
- Gotuk, Ali Atarik; Babany, M. B.; and Kuliev, A. A.
Phase equilibria in the system $\text{TiS}-\text{SnS}$. 60-04384A; Phase equilibrium in the system Ti-Sn-Te . 60-04388A
- Goulding, K. W. T.; and Tallbudeen, O.
Heterogeneity of cation-exchange sites for K-Ca exchange in aluminosilicates. 60-01905A
- Gourdin, M.
Potential mineralogical composition of vitreous blast-furnace slags. 60-04557A
- Goure, J. P. See Gagnaire, H.
- Gorvorkov, V. G. See Smirnov, A. E.; Stepanov, S. A.
- Gorzhdinskii, S. M. See Golub, A. M.
- Grachev, I.
Relation between development of defects in materials and acoustic emission. 60-04414A
- Grabmaier, Josef See Aulich, Hubert
- Grachev, V. V. See Ushakov, D. F.
- Gracheva, N. V. See Kuznetsov, N. T.
- Gräber, Wolf-Dietrich; and Vossen, Juergen
Oxygen in the glass and ceramic industry. 60-05464A
- Gratz, Reinhard
Pore data as a reference criterion for the formation of harmful efflorescent salts in ceramic bodies. 60-01316A
- Graf, Ernst; and Bormann, Frank
Thermal and mechanical optimization of gas-fired industrial kilns at the Fuel Institute, Freiberg [E. Ger.]. 60-05466A
- Graff, William A.; and Shelley, Robert D.
Method of copper staining a glass article. 60-02421P
- Graham, Henry C. See Dutta, Sunil K.; Mendiratta, Madan G.
- Graham, Keith A.
Bosh design in Scunthorpe. 60-01333A
- Graham, Paul W. L.; and Moore, Thomas W., Jr.
Method of strengthening glass articles. 60-01277P
- Graham, Roy R.
Size composition for glass fibers. 60-01299P
- Granahan, M.; Holmes, M.; and Schulte, Walter A.
Grain-oriented PbNb_2O_6 ceramics. 60-04337A
- Granberg, M. See Vacha, L.
- Granitzki, Karl-Ernst
Annual review of refractory materials. 60-00396A
- Granovskaya, I. V. See Royak, G. S.
- Gras, Rainer
Process for the coating of glass surfaces. 60-03804P
- Grasserbauer, M. See Foroglou, Z.
- Grassie, A. D. C. See Townshend, S. E.
- Grassmann, Hans-Christian
Device for drying the sizing of spun glass filaments. 60-00311P
- Graves, George A. See Bajpai, Praphulla K.
- Graves, George P.
Ash liability in cement replacement. 60-03338A
- Graves, Matthew D.
Calcium carbonate containing kaolin clay additive. 60-04193P
- Gray, D. E. See Valore, R. C.
- Gray, Dorian R.; Guerra, Salvatore; and Meyer, John H.
Coating method. 60-01223P
- Gray, H. J. See Rahnamai, Hamid
- Gray, Walter James; and Thrower, Peter A.
Annealing of neutron damage in graphite irradiated and stored at room temperature. 60-04106A
- Grechko, L. I.; and Farushnaya, L. A.
Rapid determination of calcium, magnesium, and aluminum oxide in refractory materials. 60-03904A
- Grechushnikov, B. N. See Karpov, I. I.
- Green, David J.
Stress-induced microcracking at second-phase inclusions. 60-03204A
- Green, Wells L. See Esper, Michael J.; Heiney, Elmer T., III
- Greenberg, Jerome S.
Method of casting in molds for the production of ceramic hollow ware. 60-03990P
- Greenberg, S. A. See Wedell, R. K.
- Greene, Christopher D.
Fluidized bed drying of limestone fines. 60-04535A
- Greene, Joseph Edward See Clarke, John Ross
- Greene, Richard K. See Hannon, Martin J.
- Greenough, R. D.; Dentschuk, P.; and Palmer, S. B.
Thermal expansion of lead silicate glasses. 60-03702A
- Greenspan, David C. See Ritter, John E., Jr.
- Greenwood, E.
Tin chemicals for coloring glass. 60-04898A
- Gregory, J. T.; and Martichek, K. J.
Operating experiences on the Gary Works No. 13 blast furnace. 60-01375A
- Grekila, R. B. See Gupta, Tapan K.
- Gresara, S.; and Fiorini, P.
Aging in SAP-type (Al-Mg-Si) Al_2O_3 composites. 60-04201A
- Gresch, Heinz See Holter, Heinz
- Greskovich, Charles D.
Light-transmitting silicon nitride. 60-05533P; Microstructural observations on hot-pressed Si_3N_4 . 60-03128A; See also Prochazka, Svante
- Greskovich, Charles D.; Klug, Frederic J.; and Pasco, Wayne B.
Material composition for fired ceramic articles having a high degree of porosity and crushability characteristics. 60-00751P
- Greskovich, Charles D.; and Palm, John A.
Controlling the oxygen content of Si_3N_4 powders. 60-00703A
- Greskovich, Charles D.; and Prochazka, Svante
Stability of Si_3N_4 and liquid phase(s) during sintering. 60-04427A
- Greskovich, Charles D.; Prochazka, Svante; and Palm, John A.
Light-transmitting silicon nitride. 60-05534P
- Greskovich, Eugene J.; and Givens, Edwin N.
Carbon fibers from SRC pitch. 60-05526P
- Grey, David S.; and Wey, Robert A.
Drawing optical waveguides by heating with laser radiation. 60-03742P
- Gribanov, N. M. See Bibik, E. E.
- Gridley, Marvin C. See Byers, Stanley A.
- Grider, S. A.; Barnina, N. V.; and Pavlova, N. G.
Piezoelectric ceramic material. 60-05333P
- Griffen, Dana T. See Phillips, William Revell
- Griffith, James L. See Rywak, Donald E.
- Grigeleine, I. See Semele, I.
- Grigoryuk, A. I. See Paschenko, V. P.
- Griscom, D. L.
Electron spin resonance in glasses. 60-01033A
- Grischenkov, E. E.; Strelov, K. K.; and Buzueva, T. M.
Use of corundum refractories in furnaces for the melting of aluminum alloys. 60-01410A
- Grizik, A. A. See Yakovleva, T. P.
- Gromov, A. I.; Drozd, V. E.; and Musikhin, G. Ya.
Electrophysical properties of the system $\text{Ge-Cr}_2\text{O}_3$ -electrolyte. 60-04324A
- Gromov, A. K. See Alekseev, N. E.
- Grondbahl, C. See Trantina, Gerald G.
- Groot, Hans See Taylor, Raymond E.
- Grose, Robert W.; and Flanigen, Edith M.
Novel zeolite compositions and processes for preparing and using them. 60-04253P
- Groscheva, V. M. See Karpinos, D. M.
- Gross, Albert; and Ege, Werner
Composition for the preparation of bone cement. 60-02992P
- Gross, Stephen E.
Preparation method for catalyst supports and materials produced thereby. 60-03011P
- Gross, Thomas J.
Pushing energy efficiency in industry. 60-02025A
- Gross, Ulrich Michael; and Strunz, V.
Anchoring of glass-ceramics of different solubility in the femur of the rat. 60-02933A
- Grosse, Hans-Peter
Thermodynamics and kinetics of solid state reactions in silicates. 60-05728A
- Grossman, David G.
Spontaneously formed machinable glass-ceramics. 60-02448P; Spontaneously formed mullite glass-ceramics. 60-02449P; See also Beall, George H.
- Grossman, Harry R.
Asbestos-free compression molding compositions for thermal and electrical insulators. 60-03919P
- Grossman, Leonard N. See Arya, Satya P.
- Grossman, Arnold S.; and Martyn, Joanne K.
Behavior of plasma-sprayed ceramic thermal-barrier coatings for gas turbine applications. 60-04597A
- Grote, N. See Beneking, Heinz
- Grousson, R.; and Mallick, S.
White-light image processing with LiNbO_3 . 60-00299A
- Groves, G. W.
Portland cement clinker viewed by TEM. 60-03375A
- Gruber, R.
Kiln control systems improve products. 60-02840A; 60-00649A; Microprocessor programmer controller for kiln temperature control. 60-01673A
- Grubka, Lawrence J.
Method and apparatus for production of mineral fibers. 60-04956P
- Grudemo, Ake
Strength-structure relations of cement paste materials: II. Methods and basic material data for studying strength and failure properties. 60-00929A
- Gruen, D. M. See Liu, Ming-Bian
- Grum-Gzhalimailo, O. S. See Kyvatkovskaya, K. K.
- Grunert, Lothar; Noack, Bernd; and Kordas, Herbert
Granulation of welding powder. 60-04616A
- Grung, B. L. See Heaps, Joseph Don
- Grunin, V. S. See Baki-Borodov, E. L.
- Gruzhetskii, Ya. L. See Gogotsi, G. A.
- Gruzyńska, B. See Pawlowski, Stanislaw
- Gruber, Robert M. See Kirchner, Henry P.
- Grytsiv, V. I. See Tomashik, V. N.
- Grytsiv, V. I.; Tomashik, V. N.; and Tomashik, Z. F.
Thermodynamic appraisal of reactions between AlH_3V compounds and Sn chalcogenides. 60-04454A
- Grozena, Andrej; Wozniacka, Elzbieta; and Mysliński, Jerzy
High-pressure burners of glassmelting tanks. 60-04767A
- Grzegorzewski, O. A. See Volynskii, M. D.
- Gschwend, Klaus See Sato, Hiroshi
- Gudagnino, E. See Rizzo, G.
- Gubanov, V. A. See Ivanovskii, A. L.; Zhukov, V. P.
- Gubellus, Heinz-G. See Sawatzki, Rolf
- Gudlina, A. I. See Alekseenko, L. S.
- Gudz, L. F. See Ignatova, T. S.
- Guenther, Franz
Apparatus for producing double-walled heat insulating containers. 60-02365P; Device for cutting glass [gob]. 60-01228P
- Guerder, Pierre; and Ranson, Andre
Continuous production of synthetic silica doped with fluorine. 60-00308P
- Guernem, E. See Blacklock, Katherine
- Guerra, Salvatore See Gray, Dorian R.
- Guerrieri, G.; and Boni, F.
Feeding of fast firing kilns and storage of green and fired material—problems and trends. 60-02585A
- Guettmann, Gunter; Kistrup, Holger; and Baucke, Friedrich G. K.
Sodium ion-conducting glass electrolyte for sodium-sulfur batteries. 60-01631P
- Gueugnon, Catherine; and Budin, J. P.
Determination of fluorescence quantum efficiency and laser emission cross sections of neodymium crystals—application to KNdPO_4 . 60-02622A
- Guggenheim, Howard J. See Wertheim, Gunther K.
- Guha, S. K. See Ghosh, S. N.; Halder, N.

- Guba, S. K.; and Saha, Manjusree**
Study of PbO-MgO-GeO₂ glasses for their suitability in making low TCR [temperature coefficient of resistance] glazed resistors. 60-04885A
- Guba, Soumyendu**
Electronic and impurity-induced Raman scattering in MgO:Co²⁺. 60-03076A
- Guigonis, J.** See Jeanvoine, P.
- Guile, Donald L.** See Corbett, Daniel W.
- Guilleme, C. G.** See Swain, Michael V.
- Guitard, Micheline** See Barnier, Suzanne
- Gulati, Suresh T.** See Holland, H. J.
- Gulati, Suresh T.; Smith, Norman A.; and Spycher, Anton A.**
Lightweight laminated photochromic lenses. 60-03760P
- Guldai, U.; and Apak, C.**
Cr³⁺/Cr⁶⁺ equilibria in industrial emerald green glasses. 60-01000A
- Gulden, Mary Ellen**
Correlation of experimental erosion data with elastic-plastic impact models. 60-03050A
- Gul'ko, N. V.** See Degtyareva, E. V.; Karaulov, A. G.
- Guloyan, Yu. A.**
Kinetics of heterogeneous chemical reactions during the formation of glass-forming melts in the system Na₂O-SiO₂. 60-03576A; See also Khramkov, V. P.
- Gulyamov, B. M.** See Ismatov, A. A.
- Gunasekaran, Muthian** See Fleischer, Leonard R.
- Gunn, Duncan A.**
Submarine fiber optic cable. 60-00380P
- Gunn, L. J.**
Effect of fuel savings on kiln design. 60-01692A
- Gunshor, R. L.** See Martin, S. J.
- Gunter, Steven** See Dunn, Stanley A.
- Guo, Zhu-kuo** See Li, Xiang-teng
- Gupta, Amitava** See Gupta, Mool C.; Gyarmati, Erno
- Gupta, Mool C.; Hong, Su-Don; and Gupta, Amitava**
Thermal diffusivity measurements using a pulsed dual-beam lens technique. 60-02861A
- Gupta, Naresh**
Refractories cut energy costs. 60-05113A
- Gupta, Prabhat K.; Drexhage, Martin G.; and Macedo, Pedro M.**
Method of making composite borosilicate glass articles. 60-02423P
- Gupta, Prabhat K.; and Jubb, Nancy J.**
Post-indentation slow growth of radial cracks in glasses. 60-04830A
- Gupta, Tapan K.; Grekila, R. B.; and Subbarao, E. C.**
Electrical conductivity of tetragonal zirconia below the transformation temperature. 60-04008A
- Gupta, V. P.; and Ravindra, N. M.**
Optoelectronic properties of rutile (TiO₂). 60-02678A
- Gur, T. M.; Ralstrick, I. D.; and Huggins, Robert A.**
Ionic conductivity of 8 mol% Se₂O₃-ZrO₂ measured by use of both ac and dc techniques. 60-04358A
- Gurba, N. A.; Kalechits, A. K.; and Shashkel, P. P.**
Use of bentonite in the production of polymer-bonded phosphogypsum compositions. 60-05036A
- Gurevich, A. E.** See Roze, K. V.
- Gurevich, V. M.**
Elimination of the systematic error, estimation of the fiducial error, and processing of the results of high-temperature dilatometric measurements. 60-04147A
- Gurevich, V. M.; and Posnov, N. P.**
Increase in accuracy of high temperature dilatometric measurements. 60-04151A
- Gurin, S. M.** See Vatutin, A. D.
- Guro, G. M.; Kalyuzhnyaya, G. A.; and Mamedov, T. S.**
Control of crystal growth [of semiconductors] by electromagnetic radiation. 60-03999A
- Gurr, William R.**
Recovery of uranium oxides by electrolysis. 60-00620P
- Gurtler, Richard W.** See Cota, Mario E.
- Gururaja, T. R.; Cross, Leslie E.; and Newnham, Robert E.**
Continuous poling technique for PZT fibers. 60-01513A
- Gusarov, V. V.; and Semín, E. G.**
Determining the activity/composition ratio of solid solutions in the system ZnO-MgO-SiO₂. 60-04299A
- Gusev, A. I.**
Calculation of some thermodynamic characteristics of structural vacancies in refractory compounds of the type zirconium and niobium carbides. 60-01849A
- Gusev, G. P.** See Boganov, A. G.
- Gusev, S. A.; Mishin, V. M.; and Tyurin, A. I.**
Glassmaking tank furnace. 60-03753P
- Guslyannikova, S. E.** See Ushakov, D. F.
- Gutierrez, Ruben L.; Herbst, Richard J.; and Johnson, Karl W. R.**
Fabrication of thorium-bearing carbide fuels. 60-04122P
- Gutkina, N. G.; and Nemilov, S. V.**
Relations among the crystallization capacity, viscosity, and chemical composition of glasses. 60-04852A
- Gutman, V. I.; Prokof'eva, E. A.; and Lazorenko, V. N.**
Interaction of refractories with scale on a transformer-steel converter. 60-01365A
- Gutsche, Henry W.** See Lin, Lawrence Y.
- Gutzwon, Ivan**
Induced crystallization of glass-forming systems—a case of transient heterogeneous nucleation. 60-04771A
- Guyot, Robert** See Lovichi, Jean-Pierre
- Guzman, I. Ya.** See Polyakov, S. A.
- Guzzetta, Joseph A.; Osborn, William P.; and King, Terence M.**
Brick deacker and stacker. 60-00393P
- Gyarmati, Erno** See Dias, Francisco J.
- Gyarmati, Erno; Nickel, Hubertus; and Gupta, Ashok K.**
Pyrolytic gas method of coating graphitic or ceramic articles with solids. 60-04259P
- Gzowski, O.; Murawski, L.; and Trzebiatowski, K.**
Surface conductivity of bismuth-contaminated lead silicate glasses. 60-01177A
- Haake, Gerhard** See Ziegenbalg, Siegfried
- Haas, Paul A.; Begovich, John M.; and Ryon, Allen D.**
Chemical flowsheet conditions for preparing urania spheres by internal gelation. 60-02799A
- Haase, Rainer** See Lenz, Arnold
- Habermeyer, J. A.** See Solomon, Alvin A.
- Habib, Edward T., Jr.**
Process for in-situ leaching of uranium. 60-04195P
- Habrmann, Zdenek**
Atomic absorption spectrometry and atomic emission flame spectrometry—effective analytical methods in the glass industry. 60-04668A
- Hacker, Dennis J.**
Self-hardening composition and composite therefrom. 60-04263P
- Hackney, Stanley**
Apparatus for transferring toxic and radioactive materials. 60-04119P
- Hackwood, S. J.; Beni, Gerardo; and Dautremont-Smith, W. C.**
Temperature dependence of electrochromic processes in iridium oxide displays. 60-05295A
- Hackway, Michael**
Method for growing crystals. 60-04070P
- Hadap, R. G.** See Jayadevan, N. C.
- Hadgiev, P.; Lazarova, M.; and Zmiatov, Z.**
Use of the reagent "Drimax" in dewatering silica tailings from kaolin processing. 60-00677A
- Hadl, Clyde F.** See Amberg, Stephen W.
- Haehnert, Manfred; Wihsmann, Fred G.**
Haehnert, Manfred; Wihsmann, Fred G.; and Ullner, Christian
Bending strength of glasses subjected to ion exchange. 60-04672A
- Haerdil, K. H.**
Defect structure of PLZT doped with Mn, Fe, and Al. 60-04000A
- Haessler, H.** See Freller, H.
- Haessler, Hedvig E. B.** See Kihstedt, Per G.
- Hafstrom, J. W.** See Arons, R. M.
- Hagan, J. T.**
Shear deformation under pyramidal indentations in soda-lime glass. 60-00266A
- Hagedorn, Floyd T.; Rahrig, Donald D.; and Revels, Robert G.**
Method of and apparatus for press bending glass sheets. 60-00348P
- Hagemajer, Donald J.; and Fassbender, R. H.**
Nondestructive testing of advanced composites. 60-04219A
- Hageman, V. B. M.; and Oonk, H. A.**
Region of liquid immiscibility in the system B₂O₃-BaO. 60-04848A
- Hagemann, Hans J.; and Hunte, Siegfried**
Method of producing a dielectric having a perovskite structure. 60-04082P
- Hagio, Tsuyoshi** See Miyazaki, Kenji
- Hagy, Henry E.** See Danielson, Paul S.
- Hahn, H. Thomas** See Tsai, Stephen W.
- Hahn, Theo** See Woermann, E.
- Halley, Jill**
Decorating techniques from Czechoslovakia. 60-03464A
- Haines, H. R.** See Peatfield, M.
- Halamus, Lucjan; and Wierszykowski, Ignacy**
Dilatometric investigation of low-alloy cast iron for glassmaking molds. 60-04709A
- Halder, N.; and Guba, S. K.**
Development of blood capillary glass electrodes for use in medical electronics. 60-04703A
- Hale, Thomas E.; and Lueth, Roy C.**
Boride coated cemented carbide. 60-04230P
- Hall, B.**
Outlook for glass raw materials in 2000—United States and world. 60-00234A
- Hall, D. G.; Spear-Zino, J. D.; and Koenig, H. G.**
Edge coupling of a GaAlAs DH laser diode to a planar Ti:LiNbO₃ waveguide. 60-05020A
- Hall, Hubert L.**
Rotary hearth for calcining kiln. 60-00672P
- Hall, J. S.** See Suter, G. T.
- Hall, Robert Burton; and Meakin, John D.**
Design and fabrication of high efficiency thin film CdS/Cu₂S solar cells. 60-01520A
- Hall, Robert N.**
Photovoltaic semiconductor devices and methods of making them. 60-00591P
- Hall, T. C.** See Erickson, J. J.; Peters, J. W.
- Hallich, K.**
Measurements of coating formation in cement silos. 60-02149A
- Halliyal, A. G.** See Gardopee, G. J.
- Halliyal, A. G.; Bhalia, A. S.; and Newnham, Robert E.**
Ba₂TiGe₂O₈ and Ba₂TiSi₂O₈ pyroelectric glass-ceramics. 60-03438A
- Hallorn, John W.** See Dynys, F. W.; Gonzalez, Francisco J.; Kaiser, Gregory A.
- Halwig, W.** See Varner, J. R.
- Halpin, Bernard M., Jr.**
Quality control of composites. 60-00724A
- Haltner, H. R.**
Power generation from waste heat. 60-00041A
- Hamabata, Toshihiro; and Umeki, Shinji**
Process for producing acicular goethite. 60-02784P
- Hamada, Hiroshi** See Yano, Kohzo
- Hamamoto, Fujio; Hashimoto, Tsuneichi; and Iwamaki, Nobuya**
Results obtained on unburned brick containing SiC used for ladles. 60-05120A
- Hamamoto, Fujio; Minamibuchi, Yoshikazu; and Nakagawa, Naiki**
Results of use of refractories in an electric arc furnace roof with a water-cooled panel. 60-05121A
- Hamilton, J. M., Jr.** See Bailey, C. D.
- Hammel, Joseph J.** See Amrhein, Alan G.
- Hammer, Jacob M.** See Phillips, William
- Hammer, Rudolf** See Flaechsenhaar, Edgar
- Hammond, C. R.**
Fusion temperatures of SiO₂-P₂O₅ binary glasses. 60-03528A
- Hampel, A.** See Jurkowsky, H.
- Han, K. S.; and Glasser, F. P.**
Crystallization of the liquid phase developed during clinker-ing. 60-02093A
- Han, K. S.; Glasser, F. P.; and Gard, J. A.**
Crystallization of the liquid phase in portland clinker—effects of MgO and Na₂O. 60-02094A
- Han, Se-fen** See Tang, Ming-kuo
- Hanada, Teichu; and Soga, Naohiro**
Coordination of titanium in sodium titanium silicate glasses. 60-00996A
- Hanafi, Said; Abo-El-Enen, S. A.; and Ibrahim, D. M.**
Surface properties of silicas produced by thermal treatment of rice husk ash. 60-00835A
- Hanafi, Said; Abo-El-Enen, S. A.; and Mikhail, R. Sh.**
Hydration characteristics of post-mixing compressed expansive clinker pastes. 60-00028A
- Hancock, Charles**
Production of stained glass windows. 60-03644A
- Hancock, David L. J.** See Gater, Robert
- Hand, Mary Ann** See Ling, James G.
- Handke, Mirosław; and Pitk, W.**
Ir and Raman studies of the stabilization of β-Ca₂SiO₃. 60-03115A
- Handle, N.**
New solutions for preparing and storing ceramic masses. 60-02819A; Performance of modern extruders. 60-00623A
- Handoo, S. K.** See Ghosh, Surendra Nath
- Haneda, H.** See Shirasaki, Shinichi
- Haney, James C.**
Asbestos elimination in a glass plant. 60-02242A
- Haney, Ralph M.** See Lim, John
- Hang, Kenneth W.; and Anderson, Wayne M.**
Partially devitrified porcelain composition and articles prepared with it. 60-04084P
- Hanic, F.** See Glushkova, V. B.; Kapralik, Ivan
- Hanna, S. B.** See Abou Sekkina, M. M.
- Hanna, Terry J.**
Method and apparatus for the production of glass fibers. 60-04958P
- Hanneken, Henry P.; and Marriott, William H., Jr.**
Ceramic conveyor rolls with metal end caps frictionally fixed thereto. 60-02374P
- Hannik, Richard H. J.** See Garvie, Ronald C.
- Hannik, Richard H. J.; and Swain, Michael V.**
Mode of deformation in partially stabilized zirconia. 60-04371A
- Hannon, Martin J.; and Forschirm, Alex S.**
Powder composition and method of preparation [container coating]. 60-03801P
- Hannon, Martin J.; and Greene, Richard K.**
Method of powder coating a glass container and product produced. 60-03782P
- Harez, A. J.** See Petropoulos, J.
- Hansen, Karl E.; and Pedersen, Peder**
Fiber-reinforced product and method of preparing it. 60-04237P
- Hansen, Penelope; and Heffelfinger, John M.**
Government procurement of recycled products—fly ash in cement and concrete. 60-03364A
- Hannes, Hans** See Bittner, Hans-Joachim
- Hanslik, Tomas** See Subrt, Jan
- Hanson, Craig D.** See Garoff, Stephen
- Hanson, Martin B.**
Method of decorating a surface of a ceramic article. 60-03991P
- Hanssen, K. O.; and Urnes, S.**
X-ray diffraction studies of glasses in the systems K₂O-SiO₂-GeO₂ and Cs₂O-SiO₂-GeO₂. 60-03718A
- Hanusik, W. M.; and Stephenson, Scott G.**
Identification of materials for service in a molten zirconium environment. 60-02517A
- Hanykyr, Vladimir** See Srbeek, Frantisek
- Hanykyr, Vladimir; Havrda, Jiri; and Kunes, Karel**
Improvement in the production of ceramics. 60-05210A
- Hara, Akio; and Yazu, Shuji**
Method of producing a sintered diamond compact. 60-01818P
- Hara, Kazuhisa** See Enomoto, Ryo

- Hara, Sadao**
Comparison of rotary type with drawing type sliding nozzle. 60-05063A
- Hara, Sadao; Iwanami, Yoshiyuki; and Doi, Heiji**
Use of unburned high-alumina brick for ladles. 60-05137A
- Hara, Sadao; Iwanami, Yoshiyuki; and Nagai, Tsutomu**
Use of basic brick for 100 tonne electric furnace roof. 60-05133A
- Harada, S.** See Izumitani, Tetsuro
- Harada, Tsutomu** See Semba, Kimio
- Haraguchi, Takuji** See Kurino, Hiroyuki
- Haranahalli, A. R.; and Dove, D. B.**
Influence of a thin gold surface layer on the electrochromic behavior of WO₃ films. 60-02656A
- Hard, Barry**
Sound of thickness. 60-04042A
- Hardman, Brendan; Kiehl, K. V.; and Reeves, C. P.**
Lead titanate zirconate-based pyroelectric ceramics. 60-02665A
- Harding, J. H.; Masri, P.; and Stoneham, A. M.**
Thermodynamic properties of uranium dioxide—electronic contributions to the specific heat. 60-05394A
- Hardy, C. W.**
Mythology, technology, and science. 60-01372A
- Hares, George B.; and Seward, Thomas P., III**
Thermochemical effects in photochromic glasses. 60-00289A
- Hargrave, Robert M.**
Controlling kinking of tempered glass sheets. 60-03736P
- Harita, Akira** See Morimoto, Tadashi
- Harmer, M. P.; and Brook, R. J.**
Effect of MgO additions on the kinetics of hot-pressing in Al₂O₃. 60-03068A
- Harms, W.**
Infrastructure of ceramic production as seen from kiln design and application. 60-01479A
- Harnack, Phyllis M.**
Method for purification of II-VI crystals. 60-03003P
- Harnik, E.** See Bar-Cohen, Y.
- Haroun, Nabli A.**
Theory of inclusion controlled grain growth. 60-01999A
- Haroun, Nabli A.; and El-Masry, M. A. A.**
Coating of small alumina crucibles with magnesia using a two-step drain casting technique. 60-03874A
- Harper, Clifford R.**
Ceramic spring for high temperature valves. 60-00700A
- Harper, P. H. I.** See Schubert, P.
- Harrigan, William C., Jr.; Flowers, Robert H.; and Hudson, Sillas P.**
Graphite fiber, metal matrix composite. 60-00744P
- Harris, Denis I.; and Staples, Luke**
Soft casting phenol-formaldehyde resin bonded grinding wheel. 60-02052P
- Harris, James S., Jr.** See Cohen, Marshall J.
- Harris, Jeffrey J.; and Woad, Colin E. C.**
Utilizing lead compounds of sulfur, selenium, and tellurium as dopant sources. 60-01639P
- Harris, L. A.; and Schumacher, R.**
Influence of preparation on semiconducting rutile (TiO₂). 60-00507A
- Harris, Michael** See Murer, Volkmar
- Harris, Robert J.**
Pipe coating composition utilizing cement kiln dust filler. 60-02215P
- Harrison, Benjamin C.** See Kindrick, Robert H.
- Harrison, Harold Roger** See Joshi, G. M.
- Harrison, Harold Roger; Aragon, R.; and Sandberg, C. J.**
Single crystal growth of the transition metal monoxides by skull melting. 60-00829A
- Harrison, Henry; and Harrison, Henry C.**
Low reflection coatings for windows. 60-03761P
- Harrison, Henry C.** See Harrison, Henry
- Hart, Patrick E.** See White, George D.
- Hart, Patrick E.; Daniel, Jack L.; and Brite, Daniel W.**
Method for homogenizing mixed oxide nuclear fuels. 60-04123P
- Hart, Thomas G.**
Method of storing electrical energy. 60-02774P
- Hartman, Robert L.; Koszi, Louis A.; and Mogab, Cyril J.**
Selective plasma etching of dielectric masks in the presence of native oxides of Group III-V compound semiconductors. 60-00601P
- Hartmann, Ferdinand**
Apparatus for coating articles with enamel slip. 60-03424P
- Hartmann, W.; and Franz, G.**
Real-time X-ray topography studies of the viscoelastic behavior of SiO₂ in the system Si/SiO₂. 60-05686A
- Hartstein, A.; Di Maria, D. J.; and Dong, D. W.**
Attenuated total reflectance study of silicon-rich silicon dioxide films. 60-02243A
- Hartstein, A.; Tsang, J. C.; and Di Maria, D. J.**
Amorphous silicon regions in silicon-rich silicon dioxide films. 60-03029A
- Harti, Robert F.**
Production cost control via the computer. 60-02331A
- Hartzell, Robert A.**
Method and apparatus for making crystals. 60-00560P
- Harvey, Douglas G.; and Streb, Alan J.**
Energy conservation through industrial process efficiency improvement. 60-02022A
- Harvey, William A.** See Nelson, Gary L.
- Hase, T.; and Suzuki, Hiroshi**
Solubility and diffusion of Si in B₂C. 60-03197A
- Hasegawa, Hiroshi; Sone, M.; and Imaoka, M.**
X-ray diffraction study of the structure of vitreous antimony oxide. 60-03719A
- Hasegawa, Kanemitsu; Sekiya, Tadashi; and Nakayama, Noboru**
Formation of cubic boron nitride using calcium oxide and lithium nitride as catalysts. 60-05510A
- Hasegawa, Katsundo**
Decorative air bubble formation in glassware. 60-03738P
- Hasegawa, Osamu; and Namazu, Ryosuke**
Zn diffusion into GaAs by a two-temperature method. 60-02724A
- Hasegawa, Shinichi; and Fujita, Hisanori**
Method of fabricating electroluminescent element utilizing multistage epitaxial deposition and substrate removal techniques. 60-00571P
- Haselme, Barry A.**
Design of reinforced and prestressed brickwork. 60-03834A; Reinforced and prestressed brickwork. 60-0492A; See also West, H. W. H.
- Haselme, Barry A.; West, H. W. H.; and Tutt, J. N.**
Design of laterally loaded wall panels: II. 60-03833A
- Haselton, H. T., Jr.; and Westrum, E. F., Jr.**
Low-temperature heat capacities of synthetic pyrope, grossular, and pyrope-grossular. 60-03124A
- Hashimoto, Minoru** See Fujimori, Yoshinori
- Hashimoto, Toshiaki** See Takahara, Shun
- Hashimoto, Tsuneichi** See Hamamoto, Fujio
- Hashizume, Genzo** See Tanaka, Minoru
- Hasler, R.; and Nyffeneger, H.**
Novel raw meal feed regulating system with nuclear weigher. 60-02161A
- Hasselmann, D. P. H.**
Figures-of-merit for the thermal stress resistance of high-temperature brittle materials—a review. 60-03085A; See also Niihara, Koichi; Satyamurthy, K.; Singh, Jitendra P.; Thomas, J. R., Jr.; Ziegler, Guenter
- Hasselmann, D. P. H.; Becher, Paul F.; and Mazdyasni, K. S.**
Analysis of the resistance of high-E, low-E brittle composites to failure by thermal shock. 60-04020A
- Hasselmann, D. P. H.; and Heller, R. A. (Editors)**
Thermal Stresses in Severe Environments. 60-00868B
- Hastings, I. J.; Scoberg, J. A.; and MacKenzie, Kathy**
Grain growth in UO₂—in-reactor and laboratory testing. 60-05369A
- Hata, Tomonobu** See Takeda, Fumio
- Hata, Tomonobu; Noda, Etajui; and Morimoto, Osamu**
High rate deposition of thick piezoelectric ZnO films using a new magnetron sputtering technique. 60-02648A
- Hatch, Arthur E.** See Yates, Douglas A.
- Hatch, Arthur E.; and Yates, Douglas A.**
Method and apparatus for crystal growth control. 60-02747P
- Hatcher, H.; Hedges, R. E. M.; and Pollard, A. M.**
Analysis of Hellenistic and Roman fine pottery from Benghazi [Libya]. 60-02053A
- Hattori, M.; Uemura, N.; and Yoshinaga, T.**
Heats of immersion of alkali borate glasses in organic bases. 60-04765A
- Hattori, Seizi** See Terada, Akira
- Hattori, Takeshi** See Iwamoto, Nobuya
- Hattori, Yoshinori; and Matsuo, Yasushi**
High strength silicon nitride sintered material. 60-00746P
- Hattu, N.** See De Wit, G.; Veldkamp, J. D. B.
- Hatzinikolas, M.; Longworth, J.; and Warwaruk, J.**
Use of centrifugal force for determining the tensile bond strength of masonry. 60-04162A
- Hauser, Karl V.**
Air entraining mortar and process of manufacture. 60-03390P
- Hausner, H.** See Boecker, W.
- Hauze, A. W.** See Cornie, J. A.
- Haviar, M.; Figsch, Vilam; and Plesch, G.**
Solid state sintering of CaO with Cr₂O₃ addition. 60-03196A
- Havill, Eric**
Tuning downdraft kilns. 60-00901A
- Havlicka, Jaromir; Figsch, Vilam; and Panek, Zdenek**
Stability of α - and β -CaCr₂O₄ modifications with MgO additions. 60-04426A
- Havlicka, Jaromir; and Panek, Zdenek**
Effect of partial oxygen pressure in the temperature of β to α calcium chromite transformation. 60-04310A
- Havranek, Peter H.; and Thornblad, Lars O.**
High-strength refractory casting compound for the manufacture of monolithic linings. 60-02546P
- Havrda, Jiri** See Hanykyr, Vladimir
- Hawisher, Thomas H.** See Semler, Charles E.
- Hawrylo, Frank Z.; and Kressel, Henry**
Method of making a laser diode. 60-01608P
- Hayakawa, Issei** See Oda, Isao
- Hayakawa, Junshiro; and Isshiki, Tokuichiro**
Oxidation resistance of oxide-bonded silicon carbide refractories: I. 60-00430A
- Hayama, Hiroshi; and Matsumura, Masakiyo**
Amorphous-silicon thin-film metal-oxide-semiconductor transistors. 60-02605A
- Hayase, Masahiro** See Yoshino, Shigeo
- Hayashi, C.** See Komiya, Soji
- Hayashi, Hiroshi** See Nakano, Kikuo; Nishiyama, Goro
- Hayashi, Masaaki**
Tunnel kiln design for saving fuel. 60-05468A
- Hayashi, Shinsuke** See Hirai, Toshio
- Hayashi, Shunichi** See Suzuki, Hideto
- Hayashi, Takashi; and Saito, Hajime**
Preparation of CaO-SiO₂ glasses by the gel method. 60-00245A; Structure and electrical properties of TiO₂-Ti₂O₃-P₂O₅ glasses. 60-04878A
- Hayashi, Yuichiro** See Shiota, Masatoshi
- Hayden, Steven Z.** See Blackburn, Martin J.
- Haydon, Edwin**
Dealing with fire risks. 60-02021A
- Hayes, James R.**
Bed combustion gains momentum. 60-04170A
- Haynes, Eugene M.**
Salvaging and restraining recuperator from collapse. 60-00372P
- Hays, D. D.** See Patten, Jim W.
- Hays, J. F.** See Fratello, V. J.
- Hayunga, Carl P.** See Galicki, Arkadi
- Hazel, John G.**
Preparing extrudable refractory hard metal-wax blends. 60-01446P
- Hazel, John G.; and Steiger, Roger A.**
Method for preparing titanium diboride shapes. 60-05537P
- Hazell, R. G.** See Willis, B. T. M.
- He, Er-Zhang**
Hydrated products of silicate products with industrial refuse-tine-gypsum as raw materials. 60-04539A
- Head, Brian E.**
Sealing glass envelopes. 60-01296P
- Heaps, Joseph Don; Schult, S. B.; and Grung, B. L.**
Continuous coating of silicon-on-ceramic. 60-05268A
- Heaps, Joseph Don; and Zook, J. David**
Growth technique for silicon-on-ceramic. 60-02738P
- Heard, H. C.; and Cline, Carl F.**
Mechanical behavior of polycrystalline BeO, Al₂O₃, and AlN at high pressure. 60-01926A
- Heasley, J.** See Abou-el-leil, Mahmoud
- Heath, B. B.** See Elkins, R. T.
- Heath, Barbara A.** See Brown, D. J.
- Heath, P. J.** See Breakspere, R. M.
- Hebel, Rudolf** See Laux, Walter
- Heckel, Emil**
Process for the production of finely divided oxides of metals or silicon. 60-05494P
- Hedges, R. E. M.** See Hatcher, H.; Stos-Fertner, Z.
- Heep, D.**
Regulated feed of pneumatically conveyed bulk materials by means of differential pressure control. 60-02885A
- Heffelfinger, John M.** See Hansen, Penelope
- Heflik, Wieslaw; Karas, Joanna; and Polesinski, Zbigniew**
Role of feldspar in sintering of ceramics. 60-05226A
- Hefner, Robert E., Jr.**
Froth flotation process using condensates of hydroxyethylenehydrazines as collectors for siliceous material. 60-05490P
- Hegen, D.** See Fitzer, Erich
- Hegyi-Pako, Julia; and Vitalis, Gyorgy**
Geological research and investigation of raw materials for the silicate industry. 60-05476A; Problems of dolomite utilization in Hungary. 60-04188A
- Heidenbluth, H. D.**
Metal cleaning and pretreatment for enameling in today's energy situation. 60-04630A
- Heidenreich, Erich; Doenitz, F. D.; and Erleben, H.**
Structure and properties of different glass-ceramics. 60-03685A
- Heinenbrock, Joachim** See Sawatzki, Rolf
- Heilich, Raymond P.** See MacZura, George
- Heimsoth, Dietrich A.; Hoffmann, Rainier; and Ware, William C.**
Fast-firing sled kiln for dinnerware. 60-01695A
- Heimsoth, Dietrich A.; Spitzbart, Herbert; and Wolf, Eberhard**
New roller hearth kiln for vitrified tile. 60-01701A
- Heine, Hans J.**
Foundry refractories—an update: I. 60-01354A; Foundry refractories—an update: II. 60-01355A
- Heinemann, Peter** See Gliemeroth, Georg
- Heiney, Elmer T., III** See Achari, Achyuta
- Heiney, Elmer T., III; Merchant, Stanley R.; and Green, Wells L.**
Exhaust gas sensor having two titania ceramic elements. 60-00543P
- Heinrich, Juergen; and Munz, Dietrich**
Strength of reaction-bonded silicon nitride with artificial pores. 60-00730A
- Heinz, Carlo** See Legille, Edouard
- Heisig, Ulrich** See Schiller, Siegfried
- Heitink, G. H.**
Running costs comparison for tunnel and chamber drying. 60-02887A
- Heitman, P. W.** See Khandelwal, P. K.
- Helbig, R.** See Blattner, G.
- Held, Gerhard** See Popp, Gerhard
- Heffestine, John D.**
Adding static and dynamic fatigue effects directly to the Weibull distribution—correction. 60-00098A
- Helgorsky, Jacques; and Leveque, Alain**
Process for the separating of rare earths. 60-02927P
- Heller, R. A.** See Hasselman, D. P. H.
- Helletsberger, Harald** See Waizer, Walter
- Helletsberger, Harald; Aichhorn, Anton; and Bogusch, Erich**
Method for improving the quality of abrasive grains. 60-04492P
- Helimold, Peter** See Ushakov, D. F.

- Hellsten, Karl M. E.** See Cederqvist, Nils G.
- Helms, C. R.** See Rouse, J.
- Helmy, Fatima Mohamed** See Shebl, Farouk Ali
- Helmy, M.** See Ibrahim, D. M.
- Helwig, Lawrence E.**
Silicate coated metal tying wire and process for coating said wire. 60-02238P
- Hench, Larry L.**
Biomaterials. 60-00698A; 60-02937A; See also Ethridge, Edwin C.; Ogino, Makoto
- Hench, Larry L.; and Buscemi, Paul J.**
Bioglass coated metal substrate. 60-01798P
- Hendricks, Charles D.; Koo, Jackson C.; and Rosenzweig, Allan**
Method for introduction of gases into microspheres. 60-03771P
- Hendricks, Robert C.** See McDonald, Glenn
- Hendrickson, J. R.**
New torsional resonance technique for study of magnetic susceptibility of glass. 60-00226A; See also Tabbey, M. P.
- Hendry, A. W.**
Strength of brickwork in combined racking shear and compression. 60-03854A; See also Colville, J.; Sinha, B. P.
- Hennecke, H. P.**
Present state of quarrying and material preparation technology in the lime and cement industry. 60-02178A
- Hennicke, Hans W.** See Kriegesmann, Jochen
- Hennings, Detlev; and Schreinemacher, Herbert**
Method of producing a dielectric with perovskite structure and containing a copper oxide. 60-00581P
- Henriksen, A. F.** See Chiang, Y. M.
- Henriksson, Kerstin E.** See Cederqvist, Nils G.
- Henry, Richard K.** See Seng, Stephen
- Henry, Richard K.; Seng, Stephen; and Hohman, Charles M.**
Glass manufacturing process employing glass batch pellets. 60-01241P
- Henry, Rodney D.** See Glass, Howard L.
- Hentz, Donald A.** See Jenkins, Jerold D.
- Herbell, Thomas P.; Glasgow, Thomas K.; and Shaw, Nancy J.**
Reaction-bonded silicon nitride prepared from wet attrition-milled silicon. 60-00725A
- Herbst, S.**
Generation game discovers the microchip. 60-03529A
- Herbert, Stan**
Drained furnaces happen faster. 60-00135A
- Herbst, Richard J.** See Gutierrez, Ruben L.
- Herchenbach, Horst**
System and method for the heat treatment of fine grained materials [for cement]. 60-00078P; See also Brachthäuser, Kunibert; Ramesohl, Hubert
- Herchenbach, Horst; and Lechner, Bartl**
Method and apparatus for producing a hydraulic binder. 60-00940P
- Herchenbach, Horst; and Ramesohl, Hubert**
Method and apparatus for the thermal treatment of fine-grained material with hot gases [for cement]. 60-00062P
- Herliczek, Siegfried H.; and Thomas, Lazarus D.**
Method of restoring or repairing reflective glass. 60-02430P
- Herman, D. A., Jr.** See Plaskett, T. S.
- Herman, Herbert** See Jantzen, Carol M. F.
- Herman, J. S.** See Houser, C. A.
- Herman, Lloyd E.** (Editor)
American Porcelain: New Expressions in an Ancient Art. 60-02026B
- Hermans, M. E. A.**
Ceramics in nuclear energy. 60-00608A
- Hermel, Waldemar; Leitner, G.; and Krumphold, R.**
Review of induction sintering—fundamentals and applications. 60-02972A
- Herr, K.; and Frischat, G. H.**
Ion exchange between glassmelts of the system $\text{Na}_2\text{O}-\text{RbO}-\text{SiO}_2$. 60-01069A
- Herrington, Richard A.** See Boehm, Hans W.
- Herrmann, P. P.**
Determination of thickness, refractive index, and dispersion of waveguiding thin films with an Abbe refractometer. 60-01012A
- Herrnrich, E. C.**
Fan engineering in ultimate kiln design. 60-01694A
- Herron, Lester Wynn; and Bergeron, Clifton G.**
Measurement of melt-crystal interface temperature during crystallization in melts of binary borate glasses. 60-03598A
- Herron, Lester Wynn; Master, Raj N.; and Tummalala, Rao R.**
Method of making multilayered glass-ceramic structures having an internal distribution of copper-based conductors. 60-01817P
- Herve, Gilbert** See Robert, Francis
- Hess, LaVerne D.** See Yaron, Giora
- Hess, P. C.** See Ryerson, Frederick J.; Tewhey, John D.
- Hesse, S.**
Plasterboard factory at Quinto de Ebro (Spain) with microcomputer control and low energy consumption. 60-02171A
- Hettich-Ferjentsik, Eva; and Kerek, Imre**
Reaction between limestone and various sorts of sodium phosphate in aqueous suspension. 60-03379A
- Heubach, R.**
Latest developments in the field of dust-free sources of lead. 60-04790A
- Heuer, A. H.** See Ogubji, L. U.; Phillips, D. S.
- Heuze, Bernard**
Cathodic protection on concrete offshore platforms. 60-02078A
- Hewitt, D. K.**
Kiln furniture in a fuel-conscious world. 60-01480A
- Hewitt, Deborah W.** See Ulrich, Ralph P.
- Heyns, Guido L.** See Maes, Herman E.
- Hezel, R.; and Lieske, N.**
 Si(LV) Auger spectra of amorphous Si oxide, Si nitride, and Si oxynitride. 60-03190A
- Hezel, Rudolf**
Solar cells composed of semiconductive materials. 60-02790P
- Hibbitts, L. C.** See Huff, N. T.
- Hibschler, Carl W.** See Steitz, William R.
- Hickson, Richard W.**
Apparatus and method for spraying refractory material. 60-05144P
- Hidaka, T.; Morikawa, T.; and Shimada, J.**
Spectroscopic small loss measurements on infrared transparent materials. 60-01163A
- Hidaka, Tsuneo; Inoue, Masahide; and Ebihara, Masatomi**
Prosthetic teeth and bones. 60-01834P
- Hieber, K.; and Lautenbacher, E.**
Stabilization of sputtered β -tantalum by a tantalum silicide interlayer. 60-01564A
- Higgins, Leo M., III; and Bauer, William H.**
Utilization of lead and zinc slags in ceramic construction products. 60-03979A
- Higgins, Robert W.; and Robichaud, Roger E.**
Fiber optics welder having movable aligning mirror. 60-03746P
- Hijiya, Shinpei** See Ito, Takashi
- Hilger, J. P.; Babel, D.; and Prioul, N.**
Corrosion of AZS and fireclay refractories in contact with lead glass. 60-03880A
- Hilger, Miklos** See Gallyas, Miklos
- Hill, Robin** See Thomas, William O.
- Hillig, William B.; and Morelock, Charles R.**
Method of making molten silicon infiltration reaction products. 60-04246P
- Hinkley, E. David** See Majumdar, Arun K.
- Hintermann, H. E.** See Maillet, M.
- Hintzen, Ulrike** See Schulle, Wolfgang
- Hinz, Wilhelm** See Kolitsch, Andreas; Rauschenbach, Bernd
- Hirabayashi, Masaya** See Kawahara, Haruyuki
- Hirabayashi, Masaya; and Kawahara, Haruyuki**
Ceramic endosseous implant. 60-04234P
- Hiragushi, Keisuke; Horio, Takehiro; and Matsumoto, Yoshifumi**
Application of metal fiber to skid lining insulation. 60-02508A
- Hiragushi, Keisuke; Horio, Takehiro; and Ohkawa, Kiyoshi**
Behavior of thermal expansion and shrinkage of hot blast pipe lining construction. 60-05056A
- Hirahara, Hiroaki; Kyoden, Hiroshi; and Nishio, Hideaki**
Use of spinel-carbon brick for ladles. 60-05136A
- Hirai, Toshio; and Goto, Takashi**
Preparation of amorphous Si_3N_4 plate by chemical vapor deposition. 60-02968A
- Hirai, Toshio; and Hayashi, Shinsuke**
Synthesis of β - Si_3N_4 by chemical vapor deposition. 60-04441A
- Hirai, Toshio; and Niihara, Koichi**
Process for producing superhard highly pure silicon nitrides. 60-05544P; Superhard-highly pure silicon nitrides, and a process and apparatus for producing them. 60-00766P
- Hiramatsu, Toru; and Morita, Kenichi**
Process for producing carbon fabric. 60-01831P
- Hirao, Kazuyuki** See Nasu, H.
- Hirao, Kazuyuki; Komatsu, T.; and Soga, Naohiro**
Moessbauer studies on some glasses and crystals in the $\text{Na}_2\text{O}-\text{Fe}_2\text{O}_3-\text{SiO}_2$ system. 60-01103A
- Hirata, Yoshihiro; and Kato, Akio**
Preparation of solid electrolytes by spray-pyrolysis: I. Formation of β -type alumina powders by spray-pyrolysis. 60-04222A
- Hirayama, C.; Kleinsohn, R. L.; and Bhalla, Ranbir S.**
Mass spectra of refractory mixed oxide compounds which contain an alkaline earth. 60-01924A
- Hirbod, Farokh**
Ceramic kiln support apparatus. 60-05469P
- Hirohata, Yuki; Kobayashi, Masashi; and Maeda, Shigeru**
SiC coatings for first-wall candidate materials by rf sputtering. 60-01785A
- Hirooka, Y.** See Miyake, Masanobu
- Hirsch, E. H.**
New irradiation effect and its implications for the disposal of high-level radioactive waste. 60-02805A
- Hirschvogel, Alfred; and Freundlinger, Ernst**
Flexible graphite sheet material treated with an alkali metal salt containing at least one of the elements chromium, molybdenum, and tungsten. 60-00743P
- Hisatomi, Junichiro** See Kawamura, Koichi
- Hiyoshi, Saburo** See Yamamoto, Niroku
- Hjerpe, Brad** See Larsen, Glen A.
- Hlavac, Jan; Kohlicek, Jaromir; and Karasek, Miroslav**
Measuring response curves on models of glassmelting furnaces. 60-01089A
- Hoagland, Richard G.** See Krstic, Vladimir D.
- Hockey, Bernard J.** See Wiederhorn, Sheldon M.
- Hoda, Syed N.** See Beall, George H.
- Hodge, J. D.; and Bowen, H. Kent**
High-temperature thermoelectric power measurements in wustite. 60-05625A; Measurement of low-temperature thermoelectric power for quenched wustite. 60-04029A; Time relaxation of the thermoelectric power of wustite. 60-03238A
- Hodge, Philip E.; Levine, Stanley R.; and Miller, Robert A.**
Corrosion-resistant ceramic thermal-barrier coating. 60-02225A
- Hodgkinson, H. R.** See West, H. W. H.
- Hodson, P. T. A.** See Padgett, G. C.
- Hoebbel, D.** See Wicker, Wolfgang
- Hoeffken, Erich; and Beckers, Karl-Dieter**
Process and device for producing the refractory lining of metallurgical vessels. 60-03940P
- Hoefgen, Dietmar H.** See Zagar, Ludvik
- Hoeltje, G.**
Unloading machine for kiln cars with free programmed control. 60-01322A
- Hoens, M. F. A.**
Comparison and reduction of energy consumption for various enameling processes. 60-04601A
- Hoernell, Ake**
Multiple layer protective glass, particularly a protective glass for a welding shield. 60-01279P
- Hoessler, M.; Suckow, A.; and Kull, B.**
Refractory lining of ladles in the foundry industry using vibration ramming mix. 60-03909A
- Hoet, Roger** See Gerlach, Pierre
- Hoffman, Hans W.; and Drake, Jörn**
Experiences with porcelain enamel powder in production. 60-04612A
- Hoffmann, Bernd** See Schwing, Ulrich
- Hoffmann, György; Veszpremi, Tamas; and Nagy, Andras**
Properties of ir spectra of phosphorus-doped SiO_2 films. 60-05683A
- Hoffmann, Hans**
Technical processes for the application of powder enamels for diverse uses. 60-04648A
- Hoffmann, Otto-Horst** See Aichert, Hans
- Hoffmann, Rainier** See Heimsoth, Dietrich A.
- Hoffmann, Ulrich**
Colored sheet glass shows profile. 60-03453A
- Hoffmann, Ulrich; and Gaar, H.**
Curtain method for glassmelting with reduced energy. 60-01004A
- Hoffmann, Ulrich; Marchand, Hubert; and Schneider, Wolfgang**
Energy savings in the ceramic industry. 60-05743A
- Hofman, G. L.** See Bandopadhyay, Gautam
- Hofmann, Franz**
Process for the production of molded phosphate bonded refractory articles. 60-01449P
- Hofmann, Franz; and Sattner, Franz**
Apparatus for regenerating used foundry sand. 60-05146P
- Hofmann, Fritz**
Device for manufacturing an insulating glass plate. 60-02380P
- Hofmann, Herbert**
Process and apparatus for calibrating glass tube sections. 60-02437P
- Hogan, Patrick M.**
Glass article strengthened by ion exchange substitution. 60-04938P; Method of glass strengthening by ion exchange. 60-00352P
- Hogg, C. S.**
Application of Kubelka-Munk theory to the study of translucent ceramic systems. 60-02576A
- Hogg, Richard**
Grinding and mixing of nonmetallic powders. 60-01652A
- Hohman, Charles M.**
Glass manufacturing [B_2O_3 pellets]. 60-02391P; See also Henry, Richard K.
- Hohnke, D. K.**
Ionic conductivity of $\text{Zr}_{1-x}\text{In}_x\text{O}_{2-x}$. 60-03114A
- Hojo, Junichi** See Kato, Akio
- Hokusho, Takayasu** See Ishii, Kenichi
- Holcombe, Cressie E., Jr.**
Thermal expansion coefficients for low expansion oxides. 60-00733A
- Holcombe, Cressie E., Jr.; and Banker, J. G.**
Uranium/ceramic oxide and carbon/ceramic oxide interaction studies. 60-02811A
- Holcombe, Cressie E., Jr.; and Carpenter, D. A.**
Identification of a new yttrium oxycarbonate, $\text{Y}_2\text{O}_3\cdot\text{CO}_2$. 60-04113A
- Holcombe, Cressie E., Jr.; Condon, James B.; and Johnson, D. H.**
Metastable carbon phases from CF₄ reactions: I. Reactions with SiC and Si. 60-01927A; Metastable carbon phases from CF₄ reactions: II. Reactions with methyltrichlorosilane. 60-01928A; Process for producing diamond-like carbon. 60-00619P
- Holcombe, Cressie E., Jr.; and Kovach, Louis**
Advanced ceramic materials for hydrogen-fluorine environments. 60-04200A
- Holcombe, Cressie E., Jr.; Kovach, Louis; and Taylor, Albert J.**
Lanthanum-hexaboride carbon composition for use in corrosive hydrogen-fluorine environments. 60-04241P
- Holder, John D.** See Clark, Grady W.
- Holland, A. E.; and Segal, E. R.**
Subsolidus relations in the ternary system $\text{MgO}-\text{Al}_2\text{O}_3-\text{P}_2\text{O}_5$. 60-05712A
- Holland, H. J.; and Gulati, Suresh T.**
Mechanism for strengthening fluorine-containing lithium aluminum silicate glass-ceramics. 60-00213A
- Holland, Wiley B.** See Pelagio, Gregory A.

- Hollenberg, Glenn W. See Ruh, Robert
Hollenberg, Glenn W.; and Beutler, Paul S.
Hot-pressing of Eub. 60-02802A
Hollenberg, Glenn W.; and Walther, G.
Elastic modulus and fracture of boron carbide. 60-00787A
Hollingworth, Jane (Editor)
Collecting Decanters. (Christie's International Collectors Series.) 60-00856B
Holmes, Curtis L.; Faber, William M., Sr.; and Francis, Gaylord L.
Self supporting electrical resistor composed of glass, refractory materials, and noble metal oxide. 60-04099P
Holmes, M. See Granahan, M.
Holmes, Robert E.
Thin-film microcircuits adapted for laser trimming. 60-00605P
Holmes, Ronald J.; and Hughes, Michael C.
Application of an adapted copex technique to X-ray fluorescence analysis of manganese-zinc ferrite compositions. 60-02608A
Holmes, W. H.
Energy use and conservation in the pottery industry. 60-01475A
Holmstrom, Nils G.
Fast firing of triaxial porcelain. 60-01477A; 60-02584A
Holt, John P.; and Cash, Theodore P.
Dry heat setting refractory and methods of using it. 60-02541P; 60-01432P
Holter, Heinz; Gresch, Heinz; and Igelbuscher, Heinrich
Compositions containing silicon dioxide. 60-02539P
Holtzer, Mariusz See Staronka, Andrzej
Holub, Fred F. See Cusano, Dominic A.
Holzner, A.
Enamel application processes. 60-04609A
Hon, M. H.; Davis, R. F.; and Newbury, D. E.
Self diffusion of ^{29}Si in polycrystalline $\beta\text{-SiC}$. 60-00827A
Honda, Haruhiko See Fuyama, Moriaki
Honda, Junichi See Kawamura, Koichi
Honda, K. See Ohsawa, A.
Honecker, Hedwig; and Elsner, Gerhard
Grinding ceramic materials on diamond grinding disks at faster speeds. 60-00002A
Hong, Chi-Ming; and Day, Delbert E.
Thermally stimulated currents in sodium silicate glasses. 60-02345A
Hong, Su-Don See Gupta, Mool C.
Hongo, Yasuo
Carbonation of castable refractories. 60-02510A; Rho-alumina bonded prepared unshaped refractories: I, Outline of castable refractories. 60-05123A
Honig, J. M. See Kuwamoto, Hidehiko
Honjo, Goro See Osakabe, Nobuyuki
Honno, Hiroshi See Nomura, Hidenori
Hooper, A.
Electrical breakdown in beta-alumina ceramics. 60-01528A
Hopf, W.; Geidel, T.; and Richter, G.
Influence of bivalent anions on the formation of octadecyl amine layers on glass. 60-03556A
Hopkins, C. G.; Deline, V. R.; and Blattner, R. J.
Incorporation of boron during the growth of GaAs single crystals. 60-02654A
Hopkins, Ivan J. See Roeschlaub, John G.
Hopson, Chris
Burner emissions—lessons in fuel economy. 60-04171A
Hori, Masakatsu See Terai, Ryohi
Horie, Eiji
High temperature insulation. 60-01357A
Horie, Yu See Yokokura, Shuichi
Horiguchi, Masaharu; Ohmori, Yasuji; and Takata, Hisao
Profile dispersion characteristics in high-bandwidth graded-index optical fibers. 60-01138A
Horiguchi, Tsuneo See Tateda, Mitsuhiro
Horio, Takehiro See Hiragushi, Keisuke
Horita, Hiromitsu; and Suzuki, Takashi
Photoconduction of natural pyrite FeS_2 . 60-01948A
Horiuchi, Hiroyuki See Tokonami, Masayasu
Horn, W. See Sugama, Toshifumi
Horn, William F.; and Hummel, Floyd A.
System $\text{AlPO}_4\text{-SiO}_2$. 60-04444A; System $\text{BPO}_3\text{-AlPO}_4\text{-SiO}_2$ at 1200°C . 60-03216A
Hornain, H.; and Regourd, M.
Cracking and grindability of clinker. 60-04519A
Hornemann, Ulrich See Schneider, Hartmut
Hornyak, Emery J., Jr.; Perry, Philip D.; and Sherman, James E.
Electric forehearth and method of melting therein. 60-00315P
Hortal, M.
Thermal expansion of some glasses at low temperatures. 60-03703A
Horvath, Z. J.; Stubny, G.; and Tutto, P.
Resistivity measurements on chemically vapor-deposited Si_3N_4 films. 60-02697A
Horwitz, Chris M.
New vacuum-etched high-transmittance (antireflection) film. 60-02676A
Hoskins, J.; and Chirino, Agustín M.
Controlling excess oxygen in glass furnaces for energy conservation. 60-03406A
Hosoki, Shigeyuki See Nakazawa, Masatoshi
Hosono, Hideo See Kawazoe, Hiroshi
Hosono, Hideo; Kawazoe, Hiroshi; and Kanazawa, Takafumi
ESR of Cu^{2+} and Tl^{3+} in thallium borate glasses. 60-02267A
Hossain, M. D. See Thorp, J. S.
Hotta, Hitoshi See Sakka, Sumio
Hou, L. D. See El-Aiat, M. M.
Houng, Mau-Phon See Chen, Jiann-Ruey
Houot, R. See Gillet, G.
Houseman, D. H.
Are refractories meeting the energy challenge? 60-01329A
Houser, C. A. See Tsong, I. S. T.
Houser, C. A.; Herman, J. S.; and Tsong, I. S. T.
Sodium-hydrogen interdiffusion in sodium silicate glasses. 60-01160A
Hoven, Helmut See Wellner, Peter
Howard, Reed A. See Eliezer, Isaac
Howard, A. J. See Birchall, J. D.
Howell, J. A. See Khatib, Z.
Howorth, Gary F.; and Barr, R. Stephen
Bond development and cobalt replacement in frit powder systems. 60-04599A
Howson, R. P. See Avaritsiotis, J. N.
Hreglich, S.; Profilo, B.; and Verita, M.
Chemical-mineralogical appraisal of sands suitable for glass production. 60-00987A
Hreglich, S.; Scandellari, M.; and Verita, M.
Use of blast-furnace slag (scoria) as a raw material in the production of glass. 60-01195A
Hritcu, Cecilia See Teoreanu, Ion
Hrma, Pavel
Corrosion of glass furnace sidewalls and heat losses. 60-03462A; Kinetic equation for the interaction between granular material and liquid, with application to glassmelting. 60-03573A; Similarity of electro-thermomechanical processes in modeling of glassmelting. 60-04860A; See also Pitra, Josef
Hrovat, Milan; Huschka, Hans; and Rachor, Lothar
Process for the production of ceramic fuel pellets for nuclear reactors. 60-05405P
Hrovat, Milan; and Spener, Gerhard
Process for the production of spherical-shaped fuel elements for high temperature reactors. 60-05470P
Hsieh, E. J. See Meyer, Stephen Frederick
Hsiung, Shen-Kan See Chen, Jiann-Ruey
Hu, S. M.
Effects of ambients on oxygen precipitation in silicon. 60-02628A
Hu, Xin-yuan See Sun, Hong-wei
Huang, M. D. See Faber, K. T.
Huang, Shi-yuan
Hydration of lime-fly ash paste at high temperature. 60-02128A
Hubert, D.
Know-how of Vetropack AG (Switzerland) with respect to the collection, preparation, and melting of scrap glass and quality control of products produced therefrom. 60-00198A
Hudson, R. L.; and Frechette, Van Derck
Producing a semielliptical flaw in a glass surface. 60-02330A
Hudson, Silas P. See Harrigan, William C., Jr.
Hue, Bernard P. H.; and Mercier, Henri A.
Process for depositing alumina onto a substrate and alumina regeneration. 60-05337P
Huebsch, H. See Enke, K.
Huetner, Werner; Schweitzer, Klaus; and Rossmann, Axel
Method for encapsulating a molded ceramic member. 60-01598P
Huey, Paul R.
Albany Glassworks from 1790 to 1800—a study of American industry during the Federal period. 60-03305A
Huff, N. T. See Shetterly, D. M.
Huff, N. T.; Shetterly, D. M.; and Hibbits, L. C.
Glass to metal heat flow during glass container forming. 60-04760A; Glass-to-metal heat flow during glass container forming. 60-00173A
Huggett, L. G.
Refractories in the chemical industries. 60-00441A
Huggins, Robert A. See Gur, T. M.
Hughes, G. S.; McGreavy, C.; and Merkin, J. H.
Theoretical model of the manufacture of reaction bonded silicon nitride with particular emphasis on the effect of ambient reaction temperature and compact size. 60-00732A
Hughes, J. D. H.; Morley, H.; and Jackson, E. E.
Aligned carbon fiber composite which approaches theoretical strength. 60-02932A
Hughes, Michael C. See Holmes, Ronald J.
Hughes, Ronald G. See Lagakos, Nicholas
Huhn, Hans-Joachim See Zoenchen, Werner
Huhn, Hans-Joachim; Mueller, Annelore; and Ludwig, Gerhard
Effect of mineral content, particle size distribution, and degree of order on structural changes of kaolinitic clays under mechanical stress. 60-05475A
Huismann, L. M.; Carlsson, A. E.; and Gelatt, C. D., Jr.
Mechanisms for energetic-vacancy stabilization—TiO and TiC. 60-03126A
Hulbert, Clarence E., Jr.; Fan, Liang-Tsung; and Akinc, Mufit
Method of making concrete from fly ash. 60-00945P
Hulet, L. D.; and Weinberger, A. J.
Etching studies of the microstructure and composition of large aluminosilicate particles in fly ash from coal-burning power plants. 60-05431A
Hulet, L. D.; Weinberger, A. J.; and Northcutt, K. J.
Chemical species in fly ash from coal-burning power plants. 60-03344A
Hulin, Jean-Pierre See De Vecchis, Michel
Hullock, D. K.
Refiring of sanitary ware. 60-01491A
Hulse, Charles O. See Brennan, John J.
Humenik, James N.
Solder glass bonded charge electrode assembly for ink jet printers. 60-02792P; Susceptibility of an alumina-mullite ceramic to delayed failure. 60-02977A
Humenik, James N.; and Ritter, John E., Jr.
Susceptibility of alumina substrates to stress corrosion during wet processing. 60-00523A
Hummel, Floyd A. See Agrawal, Dinesh; Horn, William F.
Hummel, Merritt J.
Heated lance roof cleaning process. 60-02398P; Reducing tin drip with sulfur containing gas. 60-01294P
Humphrey, L. M. See Liao, Paul Foo-Hung
Hund, Franz See Brunn, Horst
Hunklinger, S. See Bubenz, A.
Hunt, Leslie
Taking the "hit and miss" out of moisture measurement. 60-02859A
Hunten, Siegfried See Hagemann, Hans J.
Hunter, Orville, Jr. See Case, E. D.
Hunter, P. S.
How does it look to you? 60-04470A
Huppmann, W. J. See Nikolic, Z. S.
Hurni, Samuel
Rotary tubular kiln and satellite cooler thereof with improved support means. 60-00074P
Hurst, John
Method of making flexible cementitious materials. 60-03406P
Hurwitz, S. See Sanders, David M.
Huschka, Hans See Hrovat, Milan
Huseby, Irvin C.
Method for minimizing the formation of a metal-ceramic layer during casting of superalloy materials. 60-01813P
Huseby, Irvin C.; Slack, Glen A.; and Arendt, Ronald H.
Thermal expansion of CdAl_2O_4 , $\beta\text{-Si}_3\text{N}_4$, and other phenacite-type compounds. 60-05523A
Hussein, A. L. See El-Batal, H. A.
Hutcheson, L. D.
Measuring coupling efficiency in single-mode channel waveguides—a new technique. 60-00210A
Hutchins, Terence N.; and Meunier, Francois C.
Device for organizing optical fibers. 60-03740P
Hwang, Huey-Liang; Cheng, C. L.; and Liu, L. M.
Growth and properties of sputter-deposited CuInS thin films. 60-01334A
Hyrien, Michel See Cabannes, Francois
Ibragimov, A. (Editor)
Porcelain Industry in Uzbekistan (Pervents Farforovi Pro-myshlennosti Uzbekistana). 60-03284B
Ibrahim, D. M. See Hanafi, Said
Ibrahim, D. M.; El-Hemaly, S. A.; and Abdel-Kerim, F. M.
Study of rice husk ash by infrared spectroscopy. 60-00833A
Ibrahim, D. M.; El-Hemaly, S. A.; and Abo-El-Enain, S. A.
Thermal treatment of rice husk ash—effect of time of firing on pore structure and crystallite size. 60-00842A
Ibrahim, D. M.; and Helmy, M.
Crystallite growth of rice husk ash silica. 60-04291A
Ibrahim, D. M.; Kabish, A. M.; and Sallam, E. H.
Quantitative determination of cristobalite by thermal methods. 60-04404A
Ibrahim, D. M.; and Sallam, E. H.
Suitability of active silica from agricultural waste for improving alumina porcelain. 60-03974A
Ibrahim, E. M. H. See Abou Sekkina, M. M.
Ibrahim, E. M. See Babulanan, S. M.
Ibrahim, Salah E. See Fruehauf, Peter
Ibuki, Seiro See Tamura, Hideo
Ichida, Toshio; and Funahashi, Toshihiko
Method for forming a heat-resistant coating on an oriented silicon-steel sheet. 60-02237P
Ichikawa, Toshihiro See Ohno, Hiroki
Ichikawa, Y. See Matsuoka, M.
Ichimura, Shingo; and Shimizu, Ryuichi
Observation of electron beam damage in thin-film SiO_2 on Si with scanning Auger electron microscope. 60-01936A
Ichimura, Takeo See Ishibashi, Kazufumi; Nakamura, Hiroshi
Ichinose, Masataka See Takahashi, Shiro
Ichinoyagi, T. See Kawai, Z.
Idanov, E. B. See Sanditov, D. S.
Iffrim, Stelian See Popescu, Georgea
Iga, Atsushi See Eda, Kazuo
Iga, Kenichi
Single-mode conditions for Ga, In, As, P, InP double-heterostructure strip waveguides with Ga, In, As, P, InP side bounding layers. 60-01159A
Igarashi, J. See Sato, J.
Igasaki, Yasuhiro; and Mitsuhashi, Hiroji
Effects of substrate bias on the structural and electrical properties of TiN films prepared by reactive rf sputtering. 60-02629A
Igawa, Tatsuo See Sawada, Hiroji
Igelbuscher, Heinrich See Holter, Heinz
Ignatova, T. S. See Percepitov, V. A.
Ignatova, T. S.; Uzbeg, L. V.; and Gud, L. F.
Behavior of periclase refractories in a gas flow with alkali additives. 60-01331A

- Ignatyuk, V. A.; Stavitskiy, N. N.; and Gnitetskii, V. I.**
Structure of glass-forming Se-Te alloys. 60-03687A
- Iguchi, Yasutaka** See Kashio, Shigeki
- Ii, Nobuo** See Inoue, Zenzaburo
- Ii, Nobuo; Mitomo, Mamoru; and Inoue, Zenzaburo**
Single crystal growth of La_2SiO_5 by the floating zone method. 60-00828A
- Iida, Shuichi** See Kose, Katsumi
- Iida, Yoshihiro; Shigeta, Haruhiko; and Akimoto, Hisao**
Method for determination of thermal properties by arbitrary heating. 60-04167P
- Iijima, S.** See Bando, Y.
- Iizawa, Osamu; Fujiwara, Shinobu; and Ueoka, Hisayoshi**
High dielectric constant type ceramic composition. 60-01593P
- Ikawa, Katsuchi** See Kurata, Yuji
- Ikedo, Yasushi** See Iwamoto, Nobuya
- Ikedo, Yoshiro; and Kaite, Yoshikazu**
Step-type light-transmitting body having excellent water resistance. 60-03811P
- Ikegami, Takayasu; Kobayashi, Michiko; and Moriyoshi, Tetsu**
Characterization of sintered MgO compacts with fluorine. 60-00770A
- Ikei, Tadashi** See Kato, Tadanari
- Ikoma, Toshiaki** See Nitayama, Akihiro
- Ikuma, Toshiro** See Yoshiyagawa, M.
- Ilgace, A.** See Maksimova, O. S.
- Il'icheva, L. A.; Freid, M. Kh.; and Suprunov, V. A.**
Corrosion and electrochemical properties of molybdenum carbide in acid and alkaline solutions. 60-01741A
- Ilie, P.** See Garlea, I.
- Iliev, I.** See Bogdanov, B.
- Il'in, A. A.** See Pronkin, A. A.
- Il'in, V. P.; and Ryabov, G. G.**
High-strength refractory bricks based on alkali slag binder. 60-03890A
- Ilk, Emil**
Holding device for cup-shaped glassware articles in a glass processing machine. 60-01250P
- Ischner, B.** See Wahl, Rajeshwar P.
- Ise, Peter E.**
Method and apparatus for receiving bulk particulate materials involving dust control and reduced air contamination. 60-02413P
- Ilyukhin, V. V.** See Maksimov, B. A.; Nevskii, N. N.
- Im, Ho B.; and Wickham, Donald G.**
Process of making shaped article of lithium ferrite containing phosphorus pentoxide with vanadium pentoxide or bismuth trioxide sintering agents. 60-02786P
- Imaoka, M.** See Hasegawa, Hiroshi
- Imazawa, Kazuhiro** See Minami, Tsutomu
- Imier, Vaughn R.** See Marriott, William H., Jr.
- Imoto, Katsuyuki** See Tsukuda, Yasuo
- Imoto, Nobuyuki** See Sugimura, Akira
- Imoto, R.** See Miyake, Masanobu
- Inagaki, Michio** De Fonton, Sylvie; Ito, Suketoshi
- Inagaki, Noboru; and Okuya, Chiaki**
Custom sizing and grinding plant for refractory materials. 60-05064A
- Inagaki, Nobuo** See Edahiro, Takao; Nakahara, Motohiro
- Inagaki, Sadako** See Kato, Eisuzo
- Inamura, Takahiro** See Suzuki, Minoru
- Ingel, Robert P.** See Mohr, Robert K.
- Ingersoll, Clyde E.** See Mohammed, M. Hamdi A.
- Ingo, S.; and Karkson, K. H.**
Tentative phase diagram for the system $\text{Na}_2\text{O}-\text{V}_2\text{O}_5-\text{SiO}_2$. 60-04494A
- Ingram, M. D.; Moynihan, Cornelius T.; and Leskar, Arnold V.**
Ionic conductivity and the weak electrolyte theory of glass. 60-00193A
- Ings, John B.; and Bauer, William H.**
Reactions in fly ash-limestone-scrubber sludge compositions. 60-02181A
- Inomata, Yoshizo** See Inoue, Zenzaburo; Mitomo, Mamoru
- Inoue, Akira** See Nameishi, Naoyuki
- Inoue, Hiroshi** See Komeya, Katsutoshi
- Inoue, Hiroshi; Komeya, Katsutoshi; and Tsuge, Akihiko**
Method for producing powder of α -silicon nitride. 60-04244P
- Inoue, Kiyoshi**
Method of forming an electrically conductive abrasive wheel. 60-02048P
- Inoue, Kuo** See Ishidate, Takeo
- Inoue, Masahide** See Hidaka, Tsuneo
- Inoue, Michiko** See Fujita, Hiizu
- Inoue, Mikio; Morishita, Toshihiko; and Narita, Eiichi**
Crystal growth of emerald by flux method. 60-04290A
- Inoue, Morio** See Urakagi, Tamotsu
- Inoue, Naohisa** See Osaka, Jiri
- Inoue, Sakae** See Ando, Yoshinori
- Inoue, Satoshi; and Komorita, Fajio**
Optical glass. 60-00361P
- Inoue, Taiichi** See Matzke, H.
- Inoue, Taiichi; and Matzke, H.**
Temperature dependence of Hertzian indentation fracture surface energy of ThO_2 . 60-04118A; Uranium self-diffusion in UC doped with Y, Zr, La, or Ce. 60-05395A
- Inoue, Yasuo; Gotou, Kanzi; and Shionoya, Yasushi**
Establishment of a new casting method for blast-furnace troughs. 60-05079A
- Inoue, Zenzaburo** See Ii, Nobuo
- Inoue, Zenzaburo; and Inomata, Yoshizo**
Thermal stability of the long-period polystyrene of SiC. 51R, at 2500°C. 60-05725A
- Inoue, Zenzaburo; Mitomo, Mamoru; and Ii, Nobuo**
Crystallographic study of a new compound of lanthanum silicon nitride, LaSi_3N_5 . 60-01869A
- Inoue, Zenzaburo; Tanaka, Hidehiko; and Inomata, Yoshizo**
Synthesis and X-ray crystallography of aluminum boron carbide, $\text{Al}_4\text{B}_4\text{C}$. 60-03212A
- Insley, R. H.**
Presentation from the panel discussion "Taking the lead out." 60-01488A
- Insolio, T. A.**
How to cut safety glass. 60-04769A
- Ioffe, T. Ya.** See Karyuk, A. A.
- Ionescu, Elena** See Orascul, Ion
- Iordache, D.** See Preda, Maria
- Iordanov, V. Ya.** See Kovner, M. I.
- Iosifov, S.** See Gencheva, G.
- Ipatov, V. V.** See Fedorov, N. F.
- Ippolitov, S. A.** See Sokolina, G. A.
- Iriyama, Keiji; Yoshizawa, Masahiko; and Mizutani, Fumio**
Deposition of chlorophyll-a Langmuir-Blodgett films onto an SnO_2 optically transparent electrode. 60-04001A
- Irvin, John**
Optical fiber manufacture. 60-01281P
- Irvine, George D.**
Synthetic bone ash. 60-05497P
- Isaacson, L.** See Webb, Robert Carroll
- Isakova, L. A.** See Butyleva, E. S.
- Isard, J. O.**
Application of polaron theory to oxide glasses. 60-00981A; Surface reflectivity of strongly absorbing media and calculation of the infrared emissivity of glasses. 60-01179A; See also Jagla, M.
- Isard, J. O.; James, Peter Finlay; and Ramsden, A. H.**
Investigation of the possibility that electric fields could affect the nucleation of glass-ceramics. 60-03566A
- Iseki, Takayoshi; Yamashita, Kazuhiko; and Suzuki, Hiroshige**
Joining of self-bonded silicon carbide by germanium metal. 60-01761A
- Isenhour, T. L.** See Lam, R. B.
- Isensee, Hans-Jorg** See Borner, Paul
- Ish-Shalom, M.** See Rabinovich, Eliezer M.
- Ishibashi, Kazufumi; and Ichimura, Takeo**
Glasses for eyeglass lenses. 60-02392P; Optical glass. 60-03796P
- Ishibe, Yukio** See Sakamoto, Yuichi
- Ishida, K.** See Furukawa, Takeo; Okabayashi, H.
- Ishida, Yukinori** See Katsuyama, Yutaka
- Ishidate, Takeo; Inoue, Kuo; and Oaki, Masaharu**
Second harmonic generation of epitaxially-grown GaN crystal. 60-01969A
- Ishiguro, Jiro** See Kondo, Teruhisa
- Ishiguro, Tomoji** See Nakajima, Koichi
- Ishihara, Kazuo; and Koizumi, Takashi**
Improvement of 8 ton arc furnace roof. 60-05087A; Reducing refractories consumption in 50 tonne degassing ladle. 60-05111A
- Ishii, Kenichi; and Hokusho, Takayasu**
Antenna system for window glass of automobile. 60-03723P
- Ishii, Shinya; Saito, Takaharu; and Sugiyama, Masahiko**
Method of joining ceramic members and its application to oxygen sensor element manufacture. 60-05330P
- Ishii, Tadao** See Tsuchida, Takeshi
- Ishii, Yoshikazu** See Terada, Akira
- Ishii, Yoshio** See Fukuzaki, Fukushima
- Ishikawa, Hiroyuki; Shinaki, Norihiko; and Sakata, Hironobu**
Strength of glass with vacuum-deposited metal films: chromium, aluminum, gold, and silver. 60-04875A
- Ishikawa, Kenji**
Electric field effect on the absorption edge in SbSi . 60-01887A
- Ishikawa, T.; and Akagi, Saburo**
Structure of glasses in the system $\text{SnO}-\text{SiO}_2$. 60-03688A
- Ishikawa, Toshikatsu; Kawazumi, Kazuhisa; and Yamazoe, Hiroshi**
Process for producing flexible graphite. 60-00761P
- Ishikawa, Yutaka** See Matsumoto, Satoru
- Ishitobi, Yu; Shimada, Masahiko; and Koizumi, Mitsue**
Reactive pressure sintering of alumina. 60-00726A
- Ishiwatari, Keizo** See Kawabata, Hidetsugu
- Ishizaka, Akitoshi; and Iwata, Seichi**
Si- SiO_2 interface characterization from angular dependence of X-ray photoelectron spectra. 60-03191A
- Ishizaka, Mitsuo; and Fujii, Toshihiro**
Mica-silicate composites. 60-03009P
- Ishizawa, Akio** See Fujimori, Yoshinori
- Ishizawa, Nobuo; Marumo, Fumiyuki; and Iwai, Shinichi**
Compounds with provskite-type slabs: III. The structure of a monoclinic modification of $\text{Ca}_2\text{Nb}_2\text{O}_7$. 60-05576A
- Ishizawa, Nobuo; Miyata, Tsutomu; and Minato, Ichiro**
Structural investigation of $\alpha\text{-Al}_2\text{O}_3$ at 2170 K. 60-05705A
- Ishizuka, Hiroshi**
Diamond aggregate abrasive materials for resin-bonded applications. 60-02046P
- Ishizuka, Hiroshi; and Suzuki, Kazuo**
Diamond abrasive grits. 60-04490P
- Islam, N.; Kumar, S.; and Singh, K. P.**
Temperature and concentration dependence of transport process in glass-forming melts. 60-03698A
- Ismailov, A. Kh.; and Zhalilov, A.**
Effect of wollastonite on the structure and properties of porcelain. 60-05204A
- Ismailov, E. G.; Zol'tugarov, Z. G.; and Maksimov, N. G.**
EPR of Cu^{2+} ions in TiO_2 . Two states of Cu^{2+} in rutile. 60-05197A
- Ismatov, A. A.; Gulyamov, B. M.; and Muminova, D. R.**
Preparation and properties of Ce-containing aluminates with a melilite structure. 60-04399A
- Isoe, Toshihiro** See Nagai, Bin
- Isonome, S.; Tamura, Hiroshi; and Tsuyama, H.**
Influence of fluorine on oxidation-induced stacking faults [OISF]. 60-03105A
- Isoyama, Seiki** See Watanabe, Yasuo
- Ishiki, Tokuchiro** See Hayakawa, Junshiro
- Ito, Akio** See Koshino, Takashi
- Ito, Akio; Koshino, Takashi; and Nagae, Hajime**
Shaping technique for ceramic ware by high quality mold: III. Mold making technique by photo relief. 60-05227A
- Ito, Jun** See Steele, Ian M.
- Ito, Kazuo** See Oki, Kazuo
- Ito, Masaru; Sakai, Seizuke; and Ito, Shoji**
Measurements of bending strength and Young's modulus of grinding wheels. 60-04486A; Motion of fragments of bursting grinding wheel. 60-04487A; Spin tester for grinding wheel. 60-04489A
- Ito, S.; Banno, S.; and Kawano, T.**
Phase relations in the $\text{CaAl}_2\text{O}_3\text{-CaGa}_2\text{O}_6$ system. 60-04389A
- Ito, Shoji** See Ito, Masaru
- Ito, Suketoshi; Suzuki, Kazutaka; and Inagaki, Michio**
High pressure modifications of CaAl_2O_6 and CaGa_2O_6 . 60-04345A
- Ito, Takashi** See Matsui, Hironori
- Ito, Takashi; and Hijiyama, Shinpei**
Process for producing a semiconductor device including an ion implantation step in combination with direct thermal nitridation of the silicon substrate. 60-04090P
- Ito, Yoshitaka**
Phase relations of the $\text{LiVO}_3\text{-NiO}$ system and some properties of LiNiVO_3 . 60-04390A
- Ito, Yugo** See Oki, Kazuo
- Ito, Yukio** See Takeuchi, Hiroshi
- Ito, Yukio; Nagatsuma, Kazuyuki; and Ashida, Sakichi**
Surface acoustic wave characteristics of $(\text{Ba}_{1-x}\text{Sr}_x)\text{TiSi}_2\text{O}_6$ crystals. 60-03210A
- Itoh, Toshiaki** See Tabuchi, Heizi
- Itoh, Yoshinori** See Shima, Masao
- Itoi, Hidenobu** See Ochiai, Tsunemi
- Ito, Toshinao** See Natsume, Isamu
- Itsenko, A. I.** See Goncharov, A. N.
- Ivanikhina, R. K.** See Tolochkova, M. G.
- Ivanov, A. O.** See Anan'eva, G. V.
- Ivanov, E. V.; Bunina, V. P.; and Dolgina, G. Z.**
Sintering of MgO obtained from MgCl_2 . 60-00447A
- Ivanov, F. M.** See Babushkina, M. I.
- Ivanov, G. N.** See Bogomolov, B. N.
- Ivanov, N. A.; Andreeva, L. P.; and Gel'd, P. V.**
Thermal conductivities, electrical resistivities, and thermal expansion of titanium carbonitrides and oxycarbides. 60-02003A
- Ivanov, N. V.** See Andreev, I. V.
- Ivanov, Rumen V.; Nikolov, Dobrin V.; and Bishig, Ulrich**
Method of and apparatus for the flotation of mineral raw materials. 60-05492P
- Ivanov, S. D.** See Koldayev, B. G.
- Ivanov, V. A.** See Abbakumov, V. G.
- Ivanov, Yu. V.** See Kraev, V. M.; Opalechuk, L. S.
- Ivanova, I. V.** See Kazinets, M. M.
- Ivanova, Tr.; Popivanova, N.; and Petrova, V.**
Quantitative determination of phases in the structural transformation of γ - into $\alpha\text{-Al}_2\text{O}_3$. 60-05685A
- Ivanovskii, A. L.** See Zhukov, V. P.
- Ivanovskii, A. L.; Gubanov, V. A.; and Alyamovskii, S. I.**
Chemical bonding in subcarbides (M_3C) of Group IVB and VB transition metals. 60-03043A
- Ivascan, Natalin** See Rosca, Ioan
- Ivashchenko, S. I.; Vlasova, M. T.; and Kal'yazova, V. N.**
Possibility of increasing the hydration activity of portland cement. 60-04555A
- Ivashchenko, T. V.** See Pitak, N. V.
- Ivchenko, G. F.** See Kvyatkovskaya, K. K.
- Ivenskii, S. N.** See Finkel'shtein, V. E.
- Iverso, M. V.; Wiedersheim, J. C.; and Shiley, W. A.**
Optical parameters for the MgO:Ni^{2+} laser system. 60-02677A
- Ivey, Kenneth H.** See Sadler, Leon Y., III
- Ivinskaya, R. B.** See Safonov, V. V.
- Iwai, Shinichi** See Ishizawa, Nobuo; Miyake, Michihiro
- Iwai, Shiro** See Takeuchi, Koji
- Iwaki, Tadashi** See Yajima, Seishi
- Iwamoto, Kazumi** See Kurata, Yuji
- Iwamoto, Nobuya**
Fundamentals of ceramic(glass)-metal bonding: I. 60-00956A
- Iwamoto, Nobuya; Ikeda, Yasushi; and Kamegashira, Naoki**
Vaporization behavior in the lithium oxide-aluminum oxide system. 60-02012A
- Iwamoto, Nobuya; and Makino, Yukio**
State of chromium ion in a few silicate glasses. 60-02337A; State of the chromium ion in soda silicate glasses under various oxygen pressures. 60-01165A

- Iwamoto, Nobuya; and Tsunawaki, Yoshiaki**
Secondary ion characteristics of PbO-SiO_2 glasses sputtered by argon ion. 60-01153A
- Iwamoto, Nobuya; Tsunawaki, Yoshiaki; and Hattori, Takeshi**
Raman spectra of $\text{Na}_2\text{O-SiO}_2\text{-Al}_2\text{O}_3$ and $\text{K}_2\text{O-SiO}_2\text{-Al}_2\text{O}_3$ glasses. 60-03650A
- Iwamoto, Nobuya; and Umesaki, Norimasa**
Crystallization behavior of synthetic blast furnace slag by TiO_2 . 60-02092A
- Iwanami, Yoshiyuki** See Hara, Sadao
- Iwane, Genzo** See Wakita, Koichi
- Iwasa, Mikio** See Stewart, R. L.
- Iwasa, Mikio; Liang, E. C.; and Bradt, R. C.**
Fracture of isotropic and textured Ba hexaferrite. 60-04333A
- Iwasa, Uichi; Kokumai, Hiroyuki; and Namiki, Haruo**
Various properties of calcia brick after reheating. 60-05138A
- Iwasaki, Nobuya** See Hamamoto, Fujio
- Iwata, Seichi** See Ishizaka, Akitoshi
- Iwata, Takashi** See Nakamura, Kiichi
- Iyengar, Rama**
Apparatus for mass producing fiber optic preforms and optic fibers. 60-02363P
- Izard, David G.** See Baehr, Donald O.
- Izawa, Tatsuo; Kuwabara, Toru; and Masuda, Yuichi**
Method for manufacturing an optical fiber preform. 60-00343P
- Izquierdo, Georgina; and West, Anthony R.**
Phase equilibria in the system $\text{Li}_2\text{O-TiO}_2$. 60-01944A
- Izu, Y. D.; and Tanabe, T. M.**
Longer shelf life for ceramic slurries. 60-02232A
- Izumitani, Tetsuro** See Adachi, S.; Asahara, Yoshiyuki
- Izumitani, Tetsuro; and Harada, S.**
Mechanism of polishing optical glass. 60-03602A
- Izumitani, Tetsuro; and Miyade, Eimei**
Method of preventing tarnishing of polished glass articles. 60-04976P
- Izumitani, Tetsuro; and Tsuru, Michitaka**
Phosphate base laser glasses. 60-02434P
- Izyneev, A. A.** See Alekseev, N. E.
- Izyneev, A. A.; and Kravchenko, V. B.**
Physicochemical properties of glass-forming metaporphates of mono- and divalent metals. 60-03639A
- Jablonski, Werner** See Mallek, Heinz
- Jabra, Rafi** See Philippou, Jean
- Jabra, Rafi; Philippou, Jean; and Zarzycki, Jerzy**
Synthesis and characterization of glasses from the $\text{SiO}_2\text{-B}_2\text{O}_3$ system obtained by the hot-pressing of gels. 60-03695A; Synthesis of binary glass-forming oxide glasses by hot-pressing of gels. 60-01182A
- Jaccard, C.** See Rudolf, F.
- Jach, J.; Joshi, A.; and Sengupta, D.**
Use of Auger spectroscopy in the study of the interface in glass-metal seals. 60-04049A
- Jachimowski, M.** See Brudnik, A.
- Jack, K. H.**
Phase assemblages in nitrogen ceramics and their relations with properties. 60-03150A
- Jack, B.; and Webster, R.**
Developments continue in magnesite-carbon refractories for EAF and BOF use. 60-03882A
- Jackson, D. V.** See Birch, P. R.
- Jackson, E. E.** See Hughes, J. D. H.
- Jackson, Howard E.** See Dutta, Subhadra
- Jacob, K. Thomas**
Correlations between structure and thermodynamic properties of spinels and their applications in technology. 60-04287A
- Jacob, Karl Thomas**
Phase relations in the system Cr-W-O and thermodynamic properties of Cr_2WO_6 and Cr_2WO_4 . 60-00816A; See also Allibert, Michel
- Jacoboni, C.** See Miranday, J.-P.
- Jacobsen, A.**
Laser flashes for tomorrow's energy. 60-03580A
- Jacobsen, Alfred; and John, Walter**
Transparent lead wall. 60-03708A
- Jacobson, Allan J.** See Thompson, Arthur H.
- Jacobson, Birgit E.; Bunshah, Rointan F.; and Nimmagadda, R.**
Annealing studies of TIC and (Ti,V)C structures prepared by activated reactive evaporation [ARE]. 60-01731A
- Jacobson, Birgit E.; Nimmagadda, R.; and Bunshah, Rointan F.**
Microstructures of TiN and TiN deposits prepared by activated reactive evaporation [ARE]. 60-01767A
- Jacobson, J.** See Berglund, S. E.
- Jacquemier, M.; and Le Doussal, H.**
Stresses developed in refractory masonry: II. 60-03913A
- Jaeger, Raymond E.; MacChesney, John B.; and Miller, Thomas J.**
Modified chemical vapor deposition of an optical fiber using an rf plasma. 60-03790P
- Jaeger, Richard F.**
Control quality control. 60-02019A
- Jagla, M.; and Isard, J. O.**
Transport number for lithium ions in $\text{LiF-Li}_2\text{O-Al(PO)}_3$ glasses. 60-01190A
- Jagodzinski, H.** See Adhlat, W.
- Jahn, E.** See Renger, P.
- Jahn, Walter**
Solarization- and irradiation-resistant optical glasses. 60-03809P; See also Faulstich, Marga
- Jahnke, Otto C.** See Payne, David A.
- Jain, Dhanesh C.; Chandra, Usha; and Garg, K. B.**
X-ray absorption study of some iron-rich micas. 60-03247A
- Jain, G. C.; Das, B. K.; and Avtar, Ram**
Oxidation kinetics of CuFeO_2 in the Cu-Fe-O system. 60-03145A
- Jain, V. K.** See Shanker, Jai
- Jain, Vinod K.** See Mohan, Ashok
- Jakus, Karl** See Ritter, John E., Jr.
- Jakus, Karl; Ritter, John E., Jr.; and Sullivan, J. M.**
Dependency of fatigue predictions on the form of the crack velocity equation. 60-04297A
- Jalobeanu, Mihai** See Dobra, Adriana
- Jaluria, Yogesh** See Chu, Tze Y.
- Jamaluddin, Aziz A.**
Drying oven with heat reculation and air pollution control system. 60-01706P
- Jamba, D. M.** See Wilson, R. G.
- James, Peter Finlay** See Gonzalez-Oliver, C. J. R.; Isard, J. O.; Puyane, Ramon; Rowlands, E. G.
- James, Peter Finlay; Scott, B.; and Armstrong, P.**
Kinetics of crystal nucleation in lithium disilicate glass. Comparison between melts prepared in platinum and silica crucibles and between melts prepared from ordinary and high purity starting materials. 60-03574A
- James, Robert J.** See Pauline, Michael
- Jameson, D. A.**
Analytical electron microscopy of cement pastes: II. Pastes of portland cements and clinkers—comment. 60-03335A
- Jamieson, Alastair M.** See Weaver, Robert L.
- Jang, S. J.** See Cohen, Leonard G.
- Jang, S. J.; Cross, Leslie E.; and Uchino, Kenji**
Dielectric and electrostrictive properties of ferroelectric relaxors in system $\text{Pb}(\text{Mg}_{1/2}\text{Nb}_{1/2})\text{O}_3\text{:PbTiO}_3$; $\text{Ba}(\text{Zn}_{1/2}\text{Nb}_{1/2})\text{O}_3$. 60-04004A
- Janin, Gerard; and Ory, Jean-Marie**
Apparatus and method for measuring the size of fibers. 60-04165P
- Janjic, O. G.** See Zivanovic, Branislav M.
- Janko, Andras**
Physicochemical processes in up-to-date clinker burning equipment. 60-03373A
- Jannek, H. D.; and Day, Delbert E.**
Sodium motion in phase-separated sodium silicate glasses. 60-03669A
- Jansone, G.** See Dambekalne, M.
- Janssens, Theo; and Willems, Victor**
Apparatus for manufacturing glazing panels. 60-04913P
- Jantzen, Carol M.** See Morgan, P. E. D.
- Jantzen, Carol M.; and Glasser, F. P.**
Solid state reactions in the system $\text{CaO-Nd}_2\text{O}_3\text{-Fe}_2\text{O}_3\text{-Al}_2\text{O}_3$. 60-01977A
- Jantzen, Carol M. F.; Krepski, R. P.; and Herman, Herbert**
Ultra-rapid quenching of laser-melted binary and unary oxides. 60-02011A
- Jaoul, O.** See Borchardt, G.
- Jaque, F.** See Chandler, P. J.
- Jarrett, H. S.; Sleight, Arthur W.; and Kung, H. H.**
Photoelectrochemical and solid-state properties of LuRhO_3 . 60-03161A
- Jarrett, Robert P.; and Tresouthick, Stewart W.**
Manufacture of cement by intergrading carbonaceous fuel. 60-02209P
- Jarvis, David A.**
Low thermal modular furnace linings for the ceramics industry. 60-05462A
- Jaunars, Karlis L.**
Alkali resistant glass article and method of preparation. 60-04911P
- Jawalekar, S. R.** See Reddy, P. K.
- Jawed, Inam** See Menetrier, Danielle
- Jayadevan, N. C.; Hadad, R. G.; and Chackraburty, D. M.**
Oxidation behavior of 30 wt% $\text{PuO}_2\text{-UO}_2$ solid solution. 60-05380A
- Jeanmaire, Michel P. H.** See Boudot, Jean E.
- Jeanvoine, P.; and Guignois, J.**
Improvements in wear resistance of glass furnace bottoms. 60-03552A
- Jednacak-Biscan, J.; Mikac-Dadic, V.; and Pravidic, V.**
Surface conductivity of glass at the solid/liquid interface. 60-01178A
- Jedras, Kazimierz** See Szlachta, Stanislaw
- Jefferies, J. A.; and Klaiber, R. J.**
Lightguide theory and its implications in manufacturing. 60-03588A
- Jefferies, P. E.**
All new brick plant now the pride of Virginia. 60-05008A; Brazos Brick—all new plant on-stream in Texas. 60-02462A; Brick house utilizes solar heat for energy efficiency. 60-02464A; Brick variety with colors, coatings, and textures. 60-05011A; China—international focus on clay products and refractory minerals [in the PRC]. 60-05013A; Energy in refractories—the industry adjusts to the challenge. 60-05077A; Exclusive interview with Bill Roark—how the nation's No. 1 bricklayer spokesman views the industry. 60-02473A; General Shale solar house sparks home buyer interest in Knoxville. 60-02477A; Home buyers want brick. 60-02479A; Material handling—the lifeline to profits. 60-02818A; New "generation" brick plant sets optimistic trend for the '80s. 60-02485A; New family of C-magnesite products—resin-bonded refractories. 60-02521A; New kiln at Sipple Brick highlights major expansion program. 60-02487A; Ochs Brick and Tile Co.—Minnesota's only brick plant modernizes. 60-03844A; Split tile—a natural partner for brick production. 60-02498A; Story-high brick—a clay product breakthrough in France. 60-02499A; The year ahead—some leaner times; but no panic! 60-02500A
- Jefferson, D. A.** See Wen, Shu-lin
- Jeffery, J. W.** See Barnes, P.
- Jeffrey, Cyril**
Methods of joining glass objects. 60-03788P
- Jeffries, B. T.** See Brewer, J. D.
- Jeffries, B. T.; Feldoti, J.; and Summers, Geoffrey P.**
Temperature dependence of fluorescence yield and lifetime of F centers in SrO . 60-03223A
- Jelenic, Ivanka** See Bezjak, Aleksandar
- Jelli, A.** See Colombin, L.
- Jellison, George E., Jr.** See Bray, Philip J.
- Jellison, George E., Jr.; Feller, S.; and Bray, Philip J.**
Re-examination of the fraction of four-coordinated boron atoms in the lithium borate glass system. 60-03654A
- Jen, J. S.; and Kalinowski, M. R.**
ESCA study of the bridging-to-nonbridging oxygen ratio in sodium silicate glass and the correlations to glass density and refractive index. 60-01019A
- Jenkins, Jerold D.; Falconer, Robert A.; and Hentz, Donald A.**
Method for the segmented mining and drying of bentonite. 60-02919P
- Jenkins, Kenneth** See Rawles, William T.
- Jennings, Hamlin M.; and Pratt, P. L.**
Hydration of portland cement. 60-02129A
- Jensen, James D.; and Schoolar, Richard B.**
Growth technique for preparing graded GaP semiconductors and devices. 60-00548P
- Jensen, John C.; and Finzer, Garrison F.**
Water treatment system for solution of a brickyard pollution problem. 60-05038A
- Jeong, Y. M.; and Choo, W. K.**
Effects of Ti^{4+} addition to Ni-Cu-Co ferrite on microstructure, magnetocrystalline anisotropy, and magnetostriction. 60-05608A
- Jericho, Karl** See Floymayr, Joachim
- Jeschke, Peter** See Eisner, Ingo
- Jeude, Oscar A.; Marcotte, James; and Macoicz, Edward L.**
Industry experiences with furnace modification—a panel discussion. 60-04621A
- Jewett, David N.**
Apparatus for producing semiconductor grade silicon and replenishing the melt of a crystal growth system. 60-04053P; Method for reducing residual stresses in crystals. 60-02761P
- Jezowska-Trzebiatowska, B.** See Ryba-Romanowski, W.
- Jha, B. L.** See Mahan, M. K.
- Jiang, Ya-si** See Sun, Hong-wei
- Jinawath, Supatna** See Song, Chong Tak
- Jinno, Hiroshi** See Miyata, Noboru
- Jirousek, Ludvik**
Permeability methods for determining specific surfaces and critical evaluation of their applicability. 60-05438A
- Jirutthipong, P.** See Clearfield, A.
- Joannopoulos, J. D.** See Laughlin, R. B.
- Jochem, Cornelis M. G.** See Khoe, G. D.
- Jogenji, Isao** See Kodaira, Kohel
- John, Walter** See Jacobsen, Alfred
- Johnson, A. W. Syme; and Gatehouse, B. M.**
Convergent-beam electron diffraction symmetry from a disordered structure, $(\text{Ce,Ta})\text{TaO}_6$. 60-05577A
- Johnson, Allen S., Jr.**
Apparatus and method [rotary kiln] for heating an aggregate material. 60-02898P
- Johnson, Carl F.** See Whalen, Thomas J.
- Johnson, Chris F.** See Spector, Murray
- Johnson, D. H.** See Holcombe, Cressie E., Jr.
- Johnson, David W., Jr.**
Nonconventional powder preparation techniques. 60-01768A; See also Vogel, Eva M.
- Johnson, David W., Jr.; and Vogel, Eva M.**
Dispersants for a ceramic slurry. 60-04062P
- Johnson, David William** See Ellis, Edric
- Johnson, Donald T.**
Method and apparatus for forming glass filaments. 60-03764P
- Johnson, Gerard F.; and Schilke, Peter W.**
Alumina coated silicon carbide abrasive. 60-02044P
- Johnson, Joseph E.**
Process for forming glass-sealed multichip semiconductor devices. 60-01623P
- Johnson, Karl W. R.** See Gutierrez, Rueben L.
- Johnson, R. A.** See Eason, J. W.
- Johnson, R. M.** See Plunkett, P. V.
- Johnson, Raymond V.; and Biondi, Dennis P.**
Temperature gradient means in reactor tube of vapor deposition apparatus. 60-04102P
- Johnson, Thomas A.; and Long, William G.**
Fibrous refractory products. 60-03927P
- Johnson, Walter C.** See Stevenson, R.
- Johnson, Walter E.** See Sutton, Willard H.
- Johnson, William L.; Poon, Siu-Joe; and Duwez, Pol E.**
Semiconducting glasses with flux pinning inclusions. 60-03807P

- Johnson, William R.** See Morgan, Chester S.
- Jolly, Stuart T.**
Method of depositing layers of semi-insulating gallium arsenide. 60-02764P
- Jones, C. F.; Segall, R. L.; and Smart, R. St. C.**
Size distribution of MgO smoke particles. 60-01975A
- Jones, David R. H.** See Ashby, Michael F.
- Jones, I. W.** See May, G. J.
- Jones, J. C.** See Breakspere, R. J.
- Jones, Janice Breddon; Barr, John B.; and Smith, Robert E.**
Analysis of flaws in high strength carbon fibers from mesophase pitch. 60-01730A
- Jones, John A.**
Advantages and disadvantages of continuous and intermittent firing in whiteware production. 60-00479A
- Jones, John L., Jr.** See Coggin, Charles H., Jr.
- Jones, Ken F.**
Glass as a protection against the spread of fire. 60-03531A
- Jones, Peter G.; Rumpel, Horst; and Sheldrick, George M.**
Gold(III) oxide and oxychloride. 60-03091A
- Jones, R. W.; and McMillan, Peter W.**
Structure/property relations of glass-ceramic fibers. 60-01175A
- Jones, Raymond B.** See Magrini, Kenneth H.
- Jones, Robert** See Dew-Hughes, David
- Jones, Robert Russell**
Readers reveal the dangerous lives of R&D scientists. 60-03256A
- Jones, Robin L.; and Rowcliffe, David J.**
Fracture toughness of hot-pressed Si_3N_4 —reply. 60-01753A
- Jonker, Herman D.**
Method of depositing a layer of magnetic bubble domain material on a monocrystalline substrate. 60-02763P
- Jono, Yutaka** See Tanaka, Isao
- Joo, Chong-Yeol** See No, Hwon-Ju
- Jordan, Helmut F.** See Zagar, Ludvik
- Joseph, Christian M.**
Gypsum plaster. 60-00057P
- Joseph, James R.**
Method and apparatus for eliminating dc in an electric glassmelting furnace. 60-00341P
- Joseph, Werner**
Techniques and methods for two-coat enameling in one firing. 60-04649A; Two-coat/one-fire alternatives. 60-04650A; See also Rinkes, Hans
- Joshi, A.** See Jach, J.
- Joshi, D. K.** See Vaidya, S. N.
- Joshi, G. M.; Pai, M.; and Harrison, Harold Roger**
Electrical properties of undoped single CoO crystals. 60-01889A
- Joshi, M. B.** See Deshpande, L. V.
- Joshi, Ramesh C.**
Sources of pozzolanic activity in fly ashes, a critical review. 60-03382A
- Joshi, V. C.** See Rai, H. L.; Singh, V. B.
- Jost, Steven R.; and Johnson, Walter C.**
Observation by Auger electron spectroscopy of the effect of hydrogen at a (111) Si-SiO₂ interface. 60-03135A
- Jouve, Hubert**
Characteristics and applications of metallic glasses. 60-03444A
- Jouve, Hubert; Meyer, Robert; and Szttern, Jacques**
Method for modifying the easy direction of magnetization of an amorphous magnetic film. 60-00566P
- Jove, J.; Gal, J.; and Potzel, W.**
Mössbauer studies of neptunium fluorozirconate glass. 60-03611A
- Jozefowski, John E.**
Presentation from the panel discussion "Taking the lead out." 60-01489A
- Jubb, Nancy J.** See Gupta, Prabhat K.
- Juchem, H. O.** See Wapler, H.
- Juillard, M.** See Vouillemet, M.
- Jupp, R. S.; Stein, Dale Franklin; and Smith, D. Wayne**
Effect of calcium segregation on the fracture behavior of polycrystalline alumina. 60-01881A
- Jurkowsitch, H.**
Operating experience with a fully mechanized dispatch system for gypsum plaster in sacks at the Neuberger works. 60-02162A
- Jurkowsitch, H.; and Hampel, A.**
New gypsum plaster production at Tabris, Iran. 60-02158A
- Juvinal, J. W.**
Method and apparatus of cavity identification of mold of origin of a glass container. 60-01255P
- Jyomura, Shigeru** See Takeuchi, Hiroshi
- Jyomura, Shigeru; Matsuyama, Iwao; and Toda, Gyoza**
Anomalous grain growth in PLZT ceramics. 60-02607A
- Kae, James L.; Reynolds, George H.; and Sterling, Stewart A.**
Nuclear fuel particles. 60-04125P
- Kabantseva, V. S.** See Bogomolov, B. N.
- Kabesh, Atia M.; and Khalil, Abdel-Aziz A.**
Use of Wadi Gharandel clay deposits for the manufacture of various ceramic products: I. Assessment of the raw materials. 60-02501A
- Kabish, A. M.** See Ibrahim, D. M.
- Kachapina, L. M.; Lyachenko, L. P.; and Kichigina, G. A.**
Study of structural transformations in the system $\text{TiO}_2\text{-Sc}_2\text{O}_3$ by Raman scattering spectroscopy. 60-05710A
- Kachhal, S. K.** See Anderson, D. W.
- Kadric, Z.**
Natural gas as a fuel in the glass industry. 60-03615A
- Kaemmer, Klaus K. H.**
Use of data processing in refractory construction. 60-05134A
- Kagawa, Masahiro; Kikuchi, Masae; and Ohno, Reichi**
Preparation of ultrafine MgO by the spray-ICP technique. 60-01775A
- Kahn, M. H.**
Calculation of porosity in sintered P/M materials. 60-04278A
- Kahnke, Dieter G.** See Schlachter, Fredo E. L.
- Kaibyshev, O. A.** See Bairashev, R. R.
- Kaiser, Gregory A.; and Halloran, John W.**
Electrochemical corrosion of iron magnesium aluminate spinel and lanthanum chromite in molten potassium sulfate. 60-01890A
- Kaito, Yoshikazu** See Ikeda, Yoshiro; Yoshiyagawa, M.
- Kajikawa, Shuji** See Takahashi, Tadaaki
- Kakhan, B. G.; Lazarev, V. B.; and Shuplygin, I. S.**
Subsolidus region in the binary systems $\text{Bi}_2\text{O}_3\text{-MO}$ ($\text{M} = \text{Ni}, \text{Cu}, \text{Pd}$). 60-00834A
- Kakuzen, Hideo; Kurosaki, Shiro; and Utsui, Yuichi**
Process for producing glass member. 60-00369P
- Kala, Tomas; and Eichler, Josef**
Application of factorial analysis for studying the influence of the preparation of piezoceramic materials on their physical properties. 60-05261A
- Kalabukhova, S. V.; Tumanov, V. A.; and Chubarov, V. M.**
Charge for manufacturing refractory articles. 60-05156P
- Kaldis, Emanuel (Editor)**
Current Topics in Materials Science: Vol. 5. 60-03270B; Current Topics in Materials Science: Vol. 6. 60-04474B
- Kalechits, A. K.** See Gurba, N. A.
- Kalinin, V. B.** See Efremov, V. A.
- Kalinina, A. M.** See Fokin, V. M.
- Kalinina, A. M.; Filipovich, V. N.; and Fokin, V. M.**
Stationary and nonstationary crystal nucleation rate in a glass of $2\text{Na}_2\text{O-CaO-3SiO}_2$ stoichiometric composition. 60-00274A
- Kalinina, O. N.** See Leshchenko, P. P.
- Kalinina, T. A.** See Kovba, L. M.
- Kalinkin, I. P.** See Nikonova, R. V.
- Kalinovskaya, I. N.; and Gauda, A. N.**
Production of polycrystalline [refractory] oxide fibers from solutions of Al and Zr salts. 60-05105A
- Kalinowski, M. R.** See Jen, J. S.
- Kalisky, Yehoshua** See Reinfeld, Renata
- Kalkovskaya, I. Ya.** See Pauks, P.
- Kalliomaki, Martti S.; and Meisalo, V. P. J.**
Structure determination of the high-pressure phases RbNO_3 , CsNO_3 , and CsNO_2 . 60-04432A
- Kalousek, G. L.**
Properties of alite cements.—comments. 60-00927A
- Kaltz, Milton C.**
Glass [laminated] panel for land vehicles. 60-00324P
- Kal'yanova, V. N.** See Ivashchenko, S. I.
- Kalyuzhnaya, G. A.** See Guro, G. M.
- Kamada, Yoshiyuki** See Furumi, Koichi
- Kamamaru, Kozo** See Kyoden, Hiroshi
- Kamath, G. Sanjiv; and Anderson, Carl L.**
Fabrication of GaAs-GaAlAs solar cells. 60-01589P
- Kamegashira, Naoki** See Iwamoto, Nobuya
- Kamehara, Nobuo** See Yamada, Seiichi
- Kamei, Yoshinobu** See Oishi, Yasumichi
- Kamel, M. R.**
Magnesiochrome clinkers with high CaO content. 60-04547A
- Kamenetskii, Yu. L.** See Antonov, G. I.
- Kamenetskii, Yu. L.; Gladkaya, N. V.; and Antonov, G. I.**
Interrelations between the properties of periclase-chromite refractories. 60-01366A
- Kamigaito, O.** See Kamiya, N.
- Kamilde, Mareyasu** See Yomota, Junji
- Kamilli, D. C.; and Lamberg-Karlovsky, C. C.**
Petrographic and electron microprobe analysis of ceramics from Tepe Yahya, Iran. 60-03326A
- Kaminishi, Tokishi** See Matsuda, Hideharu
- Kaminov, Ivan P.; Turner, E. H.; and Barns, R. L.**
Crystallographic and electrooptic properties of cleaved LiNbO_3 . 60-05586A
- Kamins, T. I.; Lee, K. F.; and Gibbons, J. F.**
Crystal structure and thermal oxidation of laser-recrystallized polycrystalline silicon. 60-02616A
- Kaminskas, A.** See Mituzis, J.
- Kaminskaya, V. S.; Khodskii, L. G.; and Brazgovskaya, A. I.**
Enamel for steel. 60-04657P
- Kaminsky, Manfred S.** See Das, Santosh K.
- Kamioka, Hajime** See Takagi, Mikio
- Kamiya, Kanichi** See Sakka, Sumio
- Kamiya, Kanichi; and Sakka, Sumio**
 $\text{TiO}_2\text{-SiO}_2$ glasses prepared from metal alkoxides. 60-01188A; X-ray diffraction study of $\text{Na}_2\text{O-GeO}_2$ glasses and coordination number of germanium. 60-04909A
- Kamiya, Kanichi; Sakka, Sumio; and Matsuta, Kazumasa**
X-ray diffraction study on $\text{Na}_2\text{O-Ag}_2\text{O-B}_2\text{O}_3$ glasses. 60-00300A
- Kamiya, Kanichi; Sakka, Sumio; and Tatemichi, Y.**
Preparation of glass fibers of the $\text{ZrO}_2\text{-SiO}_2$ and $\text{Na}_2\text{O-ZrO}_2\text{-SiO}_2$ systems from metal alkoxides and their resistance to alkaline solution. 60-00246A
- Kamiya, N.; and Kamigaito, O.**
Proof testing ceramics against thermal fatigue by mechanical stress. 60-03645A
- Kamiya, Osamu** See Sawamura, Mitsuharu
- Kana'an, Adli S.; and Kananueller, Joseph M.**
Thermal decomposition of lithium tetrafluoroborate. Equilibrium decomposition pressure and enthalpy of formation. 60-03228A
- Kanav, V. K.**
Development of raw materials for the ceramic industry. 60-01844A; Production Technology of New Types of Ceramic Bodies (Issledovaniya v Oblasiti Tekhnologii Proizvodstva Novykh Vidov Keramicheskikh Izdelii). 60-03287B
- Kanai, Wataru** See Oishi, Shuji
- Kananueller, Joseph M.** See Kana'an, Adli S.
- Kanazaka, Shigeo** See Kato, Eisuzo
- Kanatani, Toshio** See Morimoto, Tadashi
- Kanaya, Kensuke; Simohiro, Toshinobu; and Okamoto, Hiroshi**
Procedure for calculating heat losses through furnace walls and boundary temperature of each part of furnace walls using a pocket-size programmable electronic calculator. 60-05103A
- Kanzawa, Takafumi** See Hosono, Hideo
- Kashe, Hiroshi** See Sasa, Nobuhiko
- Kanchiev, Z. I.** See Sattarov, D. K.
- Kanchieva, O. N.; Komarova, N. V.; and Nemilov, S. V.**
Effect of water content on the viscosity of glass-forming $\text{Na}_2\text{O-2SiO}_2$, $\text{PbO-2B}_2\text{O}_3$, and $\text{CaO-P}_2\text{O}_5$. 60-04725A
- Kandarov, G. S.**
Domain structures in pseuduniaxial crystals—[111] planes of ferrite garnets. 60-03063A
- Kane, James F.** See Dewey, John L.
- Kanemaru, Kozo** See Kyoden, Hiroshi
- Kaneno, Masayuki** See Oda, Isao
- Kanippayoor, R. K.; and Banerjee, Sati Prasad**
Adsorption of CO_2 on synthetic zeolite AW500 and its cation-exchange behavior with zirconium** nitrate-pentahydrate—studies by infrared spectroscopy and DTA. 60-05499A
- Kanno, H.**
Communal entropy and glass transition. 60-00122A
- Kant, Arthur** See Moon, Kenneth A.
- Kanteeva, I. A.; Kogan, B. S.; and Seliverstov, N. F.**
Thermodynamic reactions in the system $\text{MgO-Cr}_2\text{O}_3\text{-Cr}_2\text{O}$. 60-05727A
- Kanunnikov, L. A.** See Anisimov, V. A.
- Kao, Charles K.**
Optical fiber waveguide with effective refractive index profile. 60-03795P
- Kao, Charles K.; and Maklad, Mokhtar S.**
High-strength optical preforms and fibers with thin, high-compression outer layers. 60-02401P
- Kapera, Wladyslaw; and Rybka, Maciej**
Broadening the range of ceramic fires. 60-04600A
- Kaplan, Flora S.** See Spielholz, Gerald I.
- Kaplanek, Jiri; and Kubat, Jan**
Methods for determining glass inhomogeneities and their application to the complex evaluation of refractories. 60-04803A
- Kaplina, E. N.** See Artamonova, G. I.
- Kaplina, V. A.** See Brailko, A. V.
- Kapolyi, Laszlo; Szeggyorgyi, Geza; and Vamos, Gyorgy**
Process for producing high-purity alumina and hydraulic cement. 60-00068P
- Kapostin'sh, P. P.** See Freimanis, V. A.
- Kappler, J. P.** See Krill, G.
- Kapralik, Ivan; and Hanic, F.**
Studies of the system $\text{CaO-Al}_2\text{O}_3\text{-MgO-SiO}_2$ in relation to the quaternary phase Q. 60-01987A
- Kapuscinski, Tadeusz; Zolnierczyk, Witold; and Pozzi, Marek**
Influence of the petrographic composition of basalts on their technological properties in the production of mineral fibers. 60-04772A
- Karapetyan, G. O.** See Vikhrov, M. N.
- Karas, Joanna** See Heflik, Wieslaw
- Karasek, Miroslav** See Hlavac, Jan
- Karasz, N. M.; Korenev, Yu. M.; and Sidorov, L. N.**
P-T and T-x projections of the phase diagram of the system CsF-ZrF_4 . 60-03147A
- Karaulov, A. G.** See Zoz, E. I.
- Karaulov, A. G.; Rudyak, I. N.; and Gul'ko, N. V.**
Fired and unfired zirconia refractories. 60-01352A
- Karaulov, A. G.; Taranukha, N. M.; and Rudyak, I. N.**
Refractory supports for induction heating of high-melting-point metals to 2300°C. 60-00443A
- Karavayev, Yu. N.; Neumin, A. D.; and Paiguer, S. F.**
Electroconductive refractory ceramic material. 60-01433P
- Karch, Zdzislaw**
Technical energy problems during drying of high grade glass sands. 60-04891A; 60-05487A
- Kareev, Yu. P.** See Romanov, G. P.
- Karkhanavala, M. D.** See Momin, A. C.
- Karkhanis, Suresh N.; Bancroft, G. Michael; and Fyfe, William S.**
Leaching behavior of rhyolite glass. 60-03583A
- Karklit, Alexander; Yusefovskii, Israel A.; and Goldberg, I.**
Flame spray coating of different size converters. 60-01353A
- Karksoo, K. H.** See Ingo, S.
- Karlov, V. P.** See Popova, T. I.
- Karow, Hans U.** See Bober, Manfred
- Karoz, A. G.** See Bodnar, I. V.
- Karpel, S.**
Mass-soldering equipment for the electronics industry: I. Wave soldering. 60-02672A

- Karpinos, D. M.; Mikhhashchuk, E. P.; and Grosheva, V. M.
Reinforcement of corundum ceramics with mullite whiskers.
60-00444A
- Karpov, I. I.; Bagdasarov, Kh. S.; and Grechushnikov, B. N.
Growth conditions of yttrium-aluminum garnet crystals with a titanium impurity. 60-01904A
- Karpov, I. I.; Grechushnikov, B. N.; and Bagdasarov, Kh. S.
Colored centers in yttrium-aluminum garnet crystals doped with a titanium impurity. 60-01853A
- Karpov, I. I.; Grechushnikov, B. N.; and Koryagin, V. F.
EPR spectra of V^{3+} ions in crystals of Y-Al garnet. 60-05598A
- Karpovich, E. F. See Ermolenko, N. N.
- Karpovich, I. A. See Danilov, V. I.
- Karpukhina, T. A. See Fedoseev, D. V.
- Karunaratne, B. S. B.; and Lewis, Michael H.
Grain boundary desegregation and intergranular cohesion in Si-Al-O-N ceramics. 60-00797A
- Karyakin, V. A. See Kruchinin, Yu. D.
- Karyakina, E. L. See Azarenkova, L. E.; Zoz, E. I.
- Karyuk, A. A.; Kurochka, L. P.; and Ioffe, T. Ya.
Frit for enamel coating. 60-04661P
- Kasdan, A. De Neufville, J. P.
- Kasdan, A.; Chimenti, Robert J. L.; and De Neufville, J. P.
Selective detection of uranium by laser-induced fluorescence—a potential remote-sensing technique: II. Experimental assessment of the remote sensing of uranyl oxide targets. 60-04158A
- Kashcheev, I. D.; and Mamkin, P. S.
Effect of pretreatment of refractory binders on the alkali resistance of bodies. 60-01348A
- Kashio, Shigeki; Iguchi, Yasutaka; and Goto, Takenari
Raman spectroscopic study of the structure of silicate slag. 60-00256A
- Kashiwagi, M. See Mochizuki, T.
- Kasori, Mituo See Sawamura, Kunihide
- Kasowski, Robert V. See Tai, R. H.
- Kasowski, Robert V.; and Tai, R. H.
Theoretical electronic properties of TiO_2 (rutile) (001) and (110) surfaces. 60-03227A
- Kaspar, Jiri See Kutzendorfer, Jaroslav
- Kasperek, Antonin
Opal glass quality improvement by stirring. 60-02321A
- Kassir, N.; and Frischat, G. H.
Vapor pressures of simple silicate glassmelts. 60-02356A
- Kassner, T. F. See Chung, H. M.
- Kastler, G.
Electronics in the brick and tile industry. 60-02469A
- Katsoka, Kouji See Chudo, Akira
- Katayama, Heita; and Matsuda, Yasuhiro
Repair of ladle inner lining by gunning. 60-05116A
- Katayama, Y. See Matsui, M.
- Kathrein, H. See Freund, Friedemann
- Kathrein, H.; Knipping, U.; and Freund, Friedemann
Atomic carbon in magnesium oxide: VI. Electrical conductivity. 60-05562A
- Katkov, V. F. See Sinyakov, E. V.
- Kato, Akio See Hirata, Yoshihiro
- Kato, Akio; Okabe, Yasuzo; and Hojo, Junichi
Application of plasma jet for the preparation of ultrafine silicon carbide powders by vapor phase reaction. 60-00767A
- Kato, Aladar
Addition of a production-increasing unit to the Tata III Brick factory tunnel kiln. 60-03821A
- Kato, Etsuro; Daimon, Keiji; and Nanbu, Masao
Decomposition of two aluminum sulfates and characterization of the resultant aluminas. 60-05587A
- Kato, Etsuro; and Kanaoka, Shigeto
Infrared spectra of kaolin minerals in OH region: V. Thermal changes of halloysite. 60-05633A
- Kato, Etsuro; Kanaoka, Shigeto; and Inagaki, Sadako
Infrared spectra of kaolin minerals in OH region: III. Classification of infrared spectra of kaolinite and halloysite. 60-05631A
- Kato, Etsuro; Kanaoka, Shigeto; and Ozaki, Shunro
Infrared spectra of kaolin minerals in OH region: IV. Some mineralogical aspects of Kakino kaolin. 60-05632A
- Kato, Hajime See Uchikawa, Hiroshi
- Kato, Kazuo; and Aoki, Hideki
Calcium phosphate medical biomaterials. 60-05503A
- Kato, T. See Suzuki, J.
- Kato, Tadanari; Ikemi, Tadashi; and Sagawa, Takatoshi
Method for forming activated alumina coating on refractory article and article thereby produced. 60-01812P
- Kato, Takeo See Sonobe, Kazuo
- Kato, Yasuyuki See Kitayama, Kenichi
- Katrakov, A. N. See Baidakov, L. A.
- Katsube, Masayoshi See Tamura, Hiroshi
- Katsuyama, Yutaka; Mitsunaga, Yutaka; and Ishida, Yukinori
Strain measurement in optical fiber cable using resistance wire. 60-02339A
- Katz, R. Nathan
High-temperature structural ceramics. 60-00715A
- Katzschmann, R. See Rehfeld, A.
- Kauke, A. See Klyavins, Z.
- Kaushanskii, V. E.; and Tikhomirov, I. M.
Role of hydroxyl ions in the hydration of polymeric Ca silicates. 60-04417A
- Kavanagh, S. A. See Sharif, R. I.
- Kavka, Jan
Method of estimating the heat transfer coefficient from the change in the inner temperature of glass with time. 60-04802A
- Kawabata, Akira See Yamamoto, Takashi
- Kawabata, Hidetsugu; Nagata, Yoji; and Ishiwatari, Keizo
Method for manufacturing magnetic head using boronizing treatment. 60-02757P
- Kawabe, Yunosuke
Method of manufacturing semiconductor devices having improved alignment marks. 60-01609P
- Kawabuchi, Katsuhiko; and Magari, Saburo
Deposition of crystals from the plasmas of ZrO_2 , HfO_2 , ThO_2 , and CoO_2 —correction. 60-05269A
- Kawachi, Masao See Edahiro, Takao; Tomaru, Satoru
- Kawada, Kaoru; and Onodera, Akifumi
Effect of residual strain on high pressure densification of nonoxide ceramics. 60-00708A
- Kawahara, Haruyuki See Hirabayashi, Masaya
- Kawahara, Haruyuki; Hirabayashi, Masaya; and Shikita, Takuji
Single crystal alumina for dental implants and bone screws. 60-02975A
- Kawahara, M.; Moringa, K.; and Yanagase, T.
Analysis of Ni ions in vitreous silicate by means of ESCA. 60-03433A
- Kawai, Kenji See Soezima, Toshiyuki
- Kawai, Z.; Ichiyangai, T.; and Suto, K.
Reduction of energy consumption with precalciner-kiln systems. 60-02182A
- Kawakami, Shojiro See Nagano, Kazuo
- Kawamoto, Yoji See Bando, Y.
- Kawamoto, Yoji; Clemens, Kevin; and Tomozawa, Minoru
Effects of MoO_3 on phase separation of $Na_2O-B_2O_3-SiO_2$ glasses. 60-03491A
- Kawamoto, Yoji; Fukuzuka, M.; and Ohta, Y.
Electronic conduction and glass structure in $V_2O_5-BaO-K_2O-ZnO$ glasses. 60-04738A
- Kawamoto, Yoji; and Tomozawa, Minoru
Prediction of immiscibility boundaries of the systems K_2O-SiO_2 , $K_2O-Li_2O-SiO_2$, $K_2O-Na_2O-SiO_2$, and $K_2O-BaO-SiO_2$. 60-04397A
- Kawamura, Hiromitsu; Misumi, Akira; and Odawara, Kozo
Sealing glass. 60-04098P
- Kawamura, Katsuyuki See Matsui, Yoshito
- Kawamura, Koichi; Honda, Junichi; and Hisatomi, Junichiro
Solar cell sealed by glass laminations. 60-00377P
- Kawamura, Sukezo; and Kurokawa, Riichi
Vitrification process accompanying mullite formation in a mixture of kaolin, limestone, and quartz. 60-05735A; Vitrification process of kaolin-limestone mixtures: I. Reaction at temperatures below 1200°C. 60-05736A; Vitrification process of kaolin-limestone mixtures: II. Reaction at temperatures above 1200°C. 60-05737A
- Kawamura, Tsutomu See Shimura, Fumio
- Kawano, T. See Ito, S.
- Kawashima, Koichi See Abe, Yoshihiro
- Kawashima, Masao; Okada, Hisano; and Kikuchi, Bun
Method of manufacturing an optical fiber. 60-02427P
- Kawashima, Sunichiro See Nishida, Masamitsu
- Kawazoe, Hiroshi
Coordination number and chemical shift in $K\alpha_1$ emission of Mg^{2+} in oxide glasses. 60-00994A; See also Hosono, Hideo
- Kawazoe, Hiroshi; Hosono, Hideo; and Kokumai, Hiroshi
Structural distribution and rigidity of the glass network determined by EPR of Cu^{2+} . 60-01170A
- Kawazumi, Kazuhisa See Ishikawa, Toshikatsu
- Kay, E. See Gerlach-Meyer, U.
- Kay, E. W. See Roubert, J. L.
- Kayuk, V. G.; Kuzenkov, M. A.; and Dolukhanyan, S. K.
Sintering of molybdenum disilicide produced by self-propagating high-temperature synthesis [of the powder]. 60-01786A
- Kazakova, E. A.; and Borisova, Z. U.
Electric conductivity of glasses in the system As-S-Ag. 60-04729A; Glass formation in the system As-S-Ag. 60-04756A; Two-phase glasses in the system As-S-Ag. 60-01191A
- Kazantsev, V. V. See Zakharov, A. A.
- Kazaryan, R. O. See Yarovola, K. S.
- Kazimirov, V. A. See Sokol'skii, V. E.
- Kazimets, M. M.; Ivanova, I. V.; and Shafizade, R. B.
Electron diffraction study of the ordering process in Cu_3S . 60-01530A
- Kazuo, H.; and Takanori, Okoshi
Measurement of refractive-index profile and transmission characteristics of a single-mode optical fiber from its exit-radiation pattern. 60-02308A
- Kealms, Dale L. See O'Neill, Eoin P.
- Keck, Dieter
Method and apparatus for transporting cut brick elements to a transfer station. 60-03865P
- Keck, Donald B.
Method of effecting coupling of selected modes in an optical waveguide. 60-01270P
- Keck, Roland See Krueger, B.
- Kedda, Helena M.
Process for making glass design pieces. 60-00368P
- Keeling, P. S.; Kirby, E. C.; and Robertson, R. H. S.
Moisture adsorption and specific surface area. 60-01674A
- Keesee, Anne M.; Connolly, Tom F.; and Battle, G. C.
(Compilers) Solid State Physics Literature Guides: Vols. 10a and 10b, Crystal Growth Bibliography. 60-02037B
- Keib, Heinz P. See Schlachter, Fredo E. L.
- Keimetyan, A. A. See Duderov, Yu. G.
- Keinhorst, H.
Emission conditions associated with the use of raw materials containing thallium in rotary cement kilns with suspension preheaters. 60-02106A
- Kekeliya, D. I. See Verulashvili, R. D.
- Kelareva, T. F. See Pavlova, G. A.
- Kelin, Yu. I.
Effect of boron anhydride on the sintering of corundum ceramics. 60-05600A
- Kellar, John D. See Pereman, Gordon F.
- Kellar, John D.; and Pereman, Gordon F.
Method and apparatus for shaping glass sheets using deformable vacuum mold. 60-04957P
- Kellberg, Elsa R. See Flanigen, Edith M.
- Kellberg, Howard E.
Devitrifying solder sealing glasses. 60-02381P
- Keller, H. See Suter, G. T.
- Keller, Hartmut; Krauth, Axel; and Maier, Horst R.
Refractory articles and composite metal-ceramic articles (cermets) prepared from a silicate-containing aluminum titanate. 60-05548P
- Keller, Jed V.
Plasma development process controller. 60-04087P
- Kellet, William H.; and Mills, Peter S.
Accelerating agents for accelerating hardening of cement. 60-03386P
- Kelly, J. C. See Meakins, R. L.
- Kelly, J. E., III; Cordaro, J. F.; and Tomozawa, Minoru
Correlation effects on alkali ion diffusion in binary alkali oxide glasses. 60-00999A
- Kelly, Joseph D. See Cherenko, Joseph
- Kelsey, Peter; and Al-Hashimi, K.
Foundations for structural brickwork and brickwork foundations. 60-03838A
- Kemlage, Bernard M.
Prevention of low pressure chemical vapor deposition silicon dioxide undercutting and flaking. 60-02782P
- Kendall, K. See Birchall, J. D.
- Kenmuir, S. V. J. See Thorp, J. S.
- Kennedy, C. R.
Compatibility of water cooled refractories with a basic coal ash slag at 1500°C. 60-03876A
- Kenner, G. H. See Park, J. B.
- Keppinger, Werner See Lunzer, Friedrich
- Kerek, Imre See Hettich-Ferjentsik, Eva
- Kerlin, Allen L.
Method of forming a sheet of single crystal semiconductor material. 60-05329P
- Kern, Werner See Tracy, Chester E.
- Kernell, R. L. See Reft, C. S.
- Kerner, Wolfgang
Opal glass—economic importance and melting in an electric furnace. 60-03625A; 60-04813A
- Kernohan, R. H. See Chen, Yok
- Keropyan, V. V. See Bukhalova, G. A.
- Kershaw, Peter A.
Method of fusing a sight glass to a metal part. 60-00351P
- Kerstan, Walter
Method of refining the silicate slag phase obtained in the thermal recovery of phosphorus from phosphates. 60-02920P
- Kersten, Ralf
Process for forming the connection between two groups of glass fibers. 60-00367P
- Kersting, J. J.; Kotacska, L. H.; and Smith, L. K.
Longer glass furnace life using 38.1-cm-thick flux material. 60-02304A
- Kerwacz, J. P.; and Tomozawa, Minoru
Structural origin of the light scattering from a phase-separated glass. 60-04876A
- Keshishyan, T. N.; Bogdanova, Z. P.; and Vlasov, A. S.
Effect of medium on the behavior of CeO_2 and W mixtures during heating. 60-05605A
- Keshishyan, T. N.; Rabukhin, A. I.; and Dorofeev, V. G.
Effect of cation polarizability on the photoelasticity of glasses with different glass-forming networks. 60-00138A
- Keshishyan, T. N.; Rabukhin, A. I.; and Smirnova, M. M.
Elastooptical properties of borate glasses containing cations (Ba^{2+} , Pb^{2+} , Bi^{3+} , La^{3+}) with high polarizability. 60-03492A
- Kessell, I. S. See Workman, G. M.
- Kessick, M. A.
Ion exchange and dewaterability of clay sludges. 60-00808A
- Kessler, Lawrence W. See Yuhas, Donald E.
- Keucher, J.; Reifenstein, H.; and Paetzold, M.
Effect of iron(II) sulfates on the properties of cement mortar and concrete. 60-03354A
- Kevan, Larry; and Schwartz, Robert N. (Editors)
Time Domain Electron Spin Resonance. 60-03297B
- Kevdina, I. B.; Filimonov, M. V.; and Shantarovich, V. P.
Effect of liquation in silicate glasses on positron lifetimes. 60-04718A
- Key, P. L.; Fox, A.; and Fuchs, E. O.
Mechanical reliability of optical fibers. 60-00211A
- Khadzhi, I. P. See Zakharov, N. D.
- Khalafalla, Sanaa E. See Schiller, Joseph E.
- Khalakur, T. K.; Bevershenko, N. E.; and Zabolotnaya, O. S.
Rapid method for determining the Cr_2O_3 content of chromite ores, Cr-containing bodies, and glazes. 60-04155A

- Khalameida, N. N.**
Use of locally available clays of the Tul'sk region for production of ceramic tiles for use in internal facing walls. 60-03975A
- Khalil, Abdel-Aziz A.**
Hydration products of the system $\text{CaO-Al}_2\text{O}_3\text{-SO}_3\text{-SiO}_2$ with varying CaO mole ratio. 60-00918A; See also Kabesh, Aia M.
- Khalilov, V. D.** See Frolov, S. T.; Kostanyan, K. A.; Kuznetsov, A. I.
- Khalilov, V. D.; Semetskaya, N. M.; and Vakhrameev, V. I.**
Infrared spectroscopy of alkali-free fluorogermanate glasses. 60-04782A
- Khalilov, V. Kh.; and Pivovarov, S. S.**
Iron impurities in the region of fundamental [uv] absorption of quartz glasses. 60-00195A
- Khan, M. A. H.** See Stafford Smith, B.
- Khandelwal, P. K.; Heltman, P. W.; and Silversmith, A. J.**
Surface flaw detection in structural ceramics by scanning photoacoustic spectroscopy. 60-05520A
- Khanov, V. A.** See Koronkevich, V. P.
- Kharchenko, L. Yu.; Protasova, V. I.; and Gaiutdinova, R. L.**
Synthesis of crystals and X-ray diffraction characteristics of alkaline tungstates of rare-earth elements of the yttrium group. 60-03215A
- Kharidkova, Z. Ya.**
Reciprocal system made up of the fluorides and chlorides of lithium, calcium, and barium. 60-03178A
- Kharitonov, A. I.** See Sukhorukh, V. S.
- Kharitonov, Ya. A.** See Stepanov, E. A.
- Kharlamov, V. A.** See Kravchenko, I. V.
- Khar'yuzov, V. A.** See Efimov, A. M.
- Khatib, Z.; and Howell, J. A.**
Batch and continuous sedimentation behavior of flocculated china clay slurries. 60-04080A
- Khatkhat, Chandra P.** See Schmid, Frederick
- Kherutsyan, V. I.** See Sarinyulyan, R. S.
- Khiminets, V. V.; and Gerasimenko, V. S.**
Oscillation spectra of glasses in the binary system As-Se. 60-04819A
- Khitrov, V. N.** See Zhukovskaya, O. V.
- Khmelenko, T. P.** See Pitak, N. V.
- Khodakov, G. S.** See Solov'ev, A. I.
- Khodakovskaya, R. Ya.** See Abdrashitova, E. I.; and Donskaya, T. D.
- Khodakovskaya, R. Ya.; Abdrashitova, E. I.; and Pavlushkin, N. M.**
Effect of small additions of Sn on the crystallization of glasses in the system $\text{Li}_2\text{O-Al}_2\text{O}_3\text{-SiO}_2\text{-TiO}_2$. 60-01028A
- Khodakovskii, I. L.** See Kiseleva, I. A.
- Khodskii, L. G.** See Kaminskaya, V. S.; Rzhavskaya, T. L.
- Khoe, G. D.; Gossink, Robert G.; and Jochem, Cornelis M. G.**
Method of producing a coupling element for an optical transmission fiber. 60-04228P
- Khoe, G. D.; Kuryl, G.; and Lailendijk, J. A.**
Optical fiber end preparation—a new method for producing perpendicular fractures in glass fibers, coated glass fibers, and plastic clad fibers. 60-03628A
- Khomich, E. V.** See Rachkovskaya, G. E.
- Khrankov, V. P.; Guloyan, Yu. A.; and Laptev, V. I.**
Formation of Bodies from Glass (Formirovaniye Izdelii iz Stekla). 60-05725B
- Khusainov, B.; Maylonov, Sh.; and Umarov, B. S.**
Anisotropy of the linear expansion of CdGa_2Se_4 . 60-03032A
- Khusainov, B. I.** See Lazarev, V. B.
- Kichigina, G. A.** See Kachapina, L. M.
- Kieckbusch, Theo G.; and Kling, C. J.**
Volatiles loss during atomization in spray drying. 60-02897A
- Kiehl, Jean-Pierre; and Clavaud, Bernard A.**
Refractory compositions suitable for preparing low water-content injectable pastes. 60-00473P
- Kiehl, Jean-Pierre; Remi, Jean-Pierre; and Schoennahl, Jacques R. P.**
Gas-permeable refractory parts. 60-01434P
- Kiehl, K. V.** See Hardiman, Brendan
- Kihara, Hideo; Yamada, Yosaburo; and Ueda, Kozo**
Improving raw ceramic mixes for ceramic materials for jiggers: II. 60-05212A
- Kihara, Kuniki**
Orthorhombic superstructure of tridymite existing between about 105 and 180°C. 60-03144A
- Kihara, Sorin; Yoshida, Zenko; and Muto, Hiroshi**
Determination of oxidation states of uranium in uranium dioxide pellets by two-step flow coulometry. 60-02800A
- Kihlstedt, Per G.; Haessler, Hedvig E. B.; and Oedeon, Kai**
Polymeric silicate material and a method of manufacturing it. 60-01444P
- Kikuchi, Bun** See Kawashima, Masao
- Kikuchi, Kazuro** See Tada, Kunio
- Kikuchi, Masae** See Kagawa, Masahiro
- Kikuchi, Motokazu** See Tsuda, Akikazu
- Kikuchi, Nobuaki** See Fujiwara, Shinobu; Furukawa, Kiyoshi
- Kikuchi, Takeo** See Takahashi, Tadashi
- Kilareski, Walter P.** See Dalrymple, R. S.
- Killeen, J. C.**
Fission gas release and swelling in UO_2 doped with Cr_2O_3 . 60-05368A; Measurement of the electron-to-hole mobility ratio in UO_2 and its effect on thermal conductivity. 60-05374A
- Kim, Bumman** See Daks, Mark L.
- Kim, Hwan** See Lee, Eey-Jong
- Kim, K. S.** See Park, Mann J.
- Kim, Kyong-Min** See Berkman, Samuel
- Kim, Myun S.** See No, Hwon-Ju
- Kim, Young K.** See Gautney, Joe
- Kim, Young-Wu**
Mechanism of nickel-flash coating in porcelain enamel-to-steel bonding. 60-04629A
- Kimerling, Lionel C.** See Benton, Janet L.; Celler, George E.
- Kimura, Hiroshi**
Method of growing large $\text{Pb}_{1-x}\text{Sn}_x\text{-Te}$ single crystals where $0 < x < 1$. 60-02768P
- Kimura, Morihito; Yamamoto, Kenji; and Nose, Masahiko**
Sector sliding plate brick having discharge ports and an improved sliding nozzle apparatus. 60-02569P
- Kimura, Shigeyuki; Shindo, Isamu; and Kitamura, Kenji**
Process for producing single crystal of yttrium-iron garnet or solid solution thereof. 60-04093P
- Kimura, Tadamasu; Yamamoto, Katsumi; and Shimizu, Tadashi**
Humidity-sensitive electrical properties and switching characteristics of BN films. 60-02653A
- Kimura, Takao** See Sakaguchi, Shigeki
- Kimura, Takashi; and Yoshikawa, Shokichi**
Amplified and saturated readout echo in piezoelectric powder. 60-05259A
- Kimura, Takeo** See Shibasaki, Ichiro
- Kinzel, Erik L.**
Device for breaking a glass plate so as to obtain a sharp edge. 60-03739P
- Kindrick, Robert H.; and Harrison, Benjamin C.**
Extended BaCO_3 for brick work prevention. 60-00394P
- King, C. J.** See Kieckbusch, Theo G.
- King, David; and Snaar, David**
Electroformed metals on clay. 60-00890A
- King, Donald W.** See Norvell, Gordon S.
- King, F. S.** See Moore, M. A.
- King, Michael T.**
Apparatus for canceling nonrefillable glass bottles. 60-02362P
- King, Terence M.** See Guzzetta, Joseph A.
- Kingery, W. D.** See Chiang, Y. M.; Sempolinski, D. R.; Yager, T. A.
- Kinkade, William A.; and McCleary, Robert E.**
Calcining kettle having means for returning stack exhaust gas to calcining mixture. 60-02201P
- Kinne, Ann Spencer**
Ripley's "Wyandotte" pattern glass. 60-02064A
- Kino, G. S.** See Budiansky, B.
- Kinoshita, Kimio** See Sim, James W.
- Kinrade, John D.** See Robbins, John C.
- Kinser, Donald L.** See Weeks, Robert A.
- Kiovsky, Joseph R.; Koradia, Pramod B.; and Lim, Charles T.**
Evaluation of a new zeolitic catalyst for NO , reduction with NH_3 . 60-02947A
- Kiparisov, S. S.; and Pankevich, A. P.**
Production of high-density sintered parts from tungsten carbide powder. 60-01778A
- Kirakosyan, A. B.** See Vartanyan, M. E.
- Kirby, E. C.** See Keeling, P. S.
- Kirby, Peter** See Berry, David
- Kirby, S. H.** See Castaing, J.
- Kirch, William** See Dombro, Robert A.
- Kircher, Ulrich** See Trier, Wolfgang
- Kirchner, Henry P.** See Conway, J. C., Jr.
- Kirchner, Henry P.; Gruver, Robert M.; and Swain, Michael V.**
Crack branching in transformation-toughened zirconia. 60-05578A
- Kirchner, Henry P.; and Larchuk, T. J.**
Load/radial crack size relations for static indentations in zinc sulfide. 60-03122A
- Kirchner, P. D.** See Stall, R. A.
- Kirichenko, A. I.** See Sokolov, A. M.
- Kirichok, P. P.** See Min'ko, N. I.
- Kirilshin, Vsevolod P.**
Binder for chemically resistant concrete and process for producing this binder. 60-00932P
- Kirin, Yukio** See Naimishi, Naoyuki
- Kirpichenkova, E. O.** See Dmitruk, M. V.
- Kirsanov, V. V.; Tskhai, V. A.; and Fotiev, A. A.**
Computation of the electronic spectra of vanadium bronze NaV_2O_6 by the semiempirical method MO LCAO. 60-01854A
- Kirsch, Roland**
Cast iron "Sklo Union"—a part of the new set of molds for pressing spectacle glass blanks. 60-04678A
- Kiryukhina, L. P.** See Lukin, E. S.
- Kis, I. V.** See Krivonozova, N. T.
- Kisel, N. G.** See Popova, T. L.
- Kiselev, A. V.** See Davydov, V. Ya.
- Kiseleva, I. A.; Ogorodova, L. P.; and Khodakovskii, I. L.**
Thermodynamic properties of Scheelite CaWO_4 and the tungstate ion. 60-03236A
- Kiseleva, I. A.; Ogorodova, L. P.; and Topor, N. D.**
Wollastonite-pseudowollastonite phase transformation. 60-03246A
- Kiseleva, N. N.; and Savitskii, E. M.**
Computer prediction of chalcogenide spinels with the general formula AB_2X_4 . 60-00777A
- Kiseleva, S. A.; Visograd, M. I.; and Kostogonov, V. G.**
Effect of refractory crucible materials on the formation and composition of inclusions in Fe deoxidized by Al. 60-00416A
- Kishida, Toshio; Fujita, Senji; and Fukumoto, Yukio**
Melting direct reduced iron by UHP arc furnace. 60-00428A
- Kishida, Hisashi** See Kumagai, Masato
- Kishii, Toru**
Optical waveguide effect of thermally tempered sheet and plate glasses—application to surface stress measurements. 60-03630A
- Kishino, S.** See Yamamoto, K.
- Kislov, Anna** See Rabinovich, Eliezer M.
- Kislyi, P. S.** See Novikov, N. V.; Pshenichnaya, O. V.
- Kis, Robert; and Visegrad, Peter**
Rationalization of energy management by up-to-date economic analysis. 60-04471A
- Kiss, S.** See Kostic, E.
- Kistrap, Holger** See Guetmann, Gunter; Von Benda, Klaus
- Kistade, Keiji** See Miyahashi, Masataka
- Kitae, G. A.; Drozdova, T. A.; and Levchikov, Ya. I.**
Treatment of Polkor-based ceramic substrates prior to metallization. 60-01638P
- Kitaguchi, Sigeo** See Dohi, Toshihide
- Kital, Tsuneo** See Naimishi, Naoyuki
- Kitamura, Kenji** See Kimura, Shigeyuki
- Kitani, Fukuichi** See Shimada, Nobuo; Takahashi, Tadaaki
- Kitayama, Kenichi; Sekai, Shigeyuki; and Kato, Yasyuki**
Transmission characteristics of long spliced graded-index optical fibers at 1.27 μm . 60-01189A
- Kitayama, Shoji; Okamura, Hiroaki; and Nakatani, Motohiko**
Apparatus for automatically fitting runner bricks. 60-03917P
- Kivelson, S.; and Gelant, C. D., Jr.**
Impurity states in a disordered insulator—the Lloyd model. 60-03104A
- Kivlighn, Herbert D., Jr.; and De Isai, Richard**
Darkening kinetics of photochromic glass at high excitation levels. 60-01006A
- Kiwaki, Seikazu** See Furumi, Koichi
- Kiyosaga, Kingo; Okuno, Toshio; and Tokuda, Kenji**
Fully martensitic steel for a metal mold for molding glass and the metal mold. 60-00322P
- Kiyota, Kōbei** See Yoshimura, Tetsuzo
- Kizaki, Shigeru**
Method for manufacturing subminiature quartz crystal vibrator. 60-01599P
- Kjaer, E.** See Falk, C.
- Klaczak, Adam**
Possibilities of reducing fuel consumption during wet-process cement manufacture. 60-02175A; Possibility of the reduction of industrial fuel consumption during wet-process cement production. 60-02176A
- Klaffky, R. W.; Rose, B. H.; and Gohand, A. N.**
Radiation-induced conductivity of Al_2O_3 —experiment and theory. 60-03175A
- Klaiber, R. J.** See Jefferies, J. A.
- Klar, Erhard** See Moskowitz, Larry N.
- Klaudinyi, Bela** See Friedrichs, James R.
- Klawitter, J. J.** See Weinstein, A. M.
- Kleefeld, J.; and Levenson, L. L.**
Nickel carbide—its formation and characterization by transmission electron diffraction, Auger electron spectroscopy, and electron spectroscopy for chemical analysis. 60-01934A
- Kleenkin, V. V.** See Udovenko, V. G.
- Klein, Gerhart P.**
Method for applying material to a substrate. 60-01597P
- Klein, Gernot** See Schulte, Wolfgang
- Klein, H. F.; and Bock, F. W.**
Transport of pulverized materials over long distances. 60-02195A
- Klein, Lisa C.**
Sol-gel glass technology—a review. 60-04862A
- Klein-Altenhausen, H.**
Integrated cement terminal—new style of cement shipping facilities in modern cement works. 60-02141A
- Kleine, R.; Freidenfelds, E.; and Freiman, V.**
Modification of a Ba titanate zirconate solid solution. 60-04031A
- Kleinlein, F. Wilhelm**
Influence of testing procedure on the determination of characteristic fracture parameters of brittle materials showing slow crack growth. 60-05628A; See also Kriz, Karel
- Kleinovsky, R. L.** See Hirayama, C.
- Kleinwort, J.**
Forms of construction and design criteria for filtering precipitators with textile filter media. 60-02119A
- Klepikov, S. A.** See Leshchinskiy, D. A.
- Kleppa, O. J.** See Sato, Seichi
- Klevinov, P. V.; Perepelitsa, A. P.; and Golub, A. M.**
Polymorphism of thallium(I) double molybdates with rare earth elements Er-Lu and Y. 60-01952A
- Klicker, K. A.; Biggers, James V.; and Newnam, Robert E.**
Composites of PZT and epoxy for hydrostatic transducer applications. 60-01512A

- Klimenko, M. M.; Krzhizhanovskii, R. E.; and Sherman, V. E.
Pulsed method for determining thermal diffusivity. 60-01680A
- Klimov, V. V. See Morozov, E. M.
- Kline, J. P. See Kreckel, R. J.
- Klinger, R. E. See Baranaukas, V.
- Klingshirn, C. See Blattner, G.
- Klipenko, L. I. See Polyushkin, V. I.
- Klopper, Detlev See Esser, Fred
- Klomp, Jan T.; and Lindenbovius, R. H.
Microstructural and physical properties of Al_2O_3 -Fe cermets. 60-02961A
- Klomp, Jan T.; and Van de Ven, A. J. C.
Parameters in solid state bonding of metals to oxide materials and the adherence of bonds. 60-01771A
- Klomp, Jan T.; and Vrugt, Peter J.
Tools for the handling and shaping of glass. 60-02457P
- Klotz, Marvin R.
Crystalline borosilicate and process of preparation. 60-05530P
- Kluempel, O.
New dimensions and possibilities in belt conveying. 60-02157A
- Klug, Frederic J. See Greskovich, Charles D.; Pasco, Wayne D.
- Klyavins, Z.; Alkalis, F.; and Kauke, A.
Effect of active SiO_2 on the interaction of $3\text{CaO}\cdot\text{Al}_2\text{O}_3$ with gypsum. 60-03352A
- Klyuev, V. P.; and Buleva, A. V.
Viscosity and thermal expansion of Pb borate glasses in the glass transition region. 60-04905A
- Klyuev, V. P.; and Mazurin, O. V.
Structural temperature coefficients of specific volume and viscosity of lead borate glass-forming melts. 60-00280A
- Klyukin, A. B. See Gorbachev, V. V.
- Knahe, E. Ya. See Sivskii, L. D.
- Knackstedt, Wilhelm See Beckmann, Rolf
- Knake, Harald; and Schindler, Joachim
Determination of the complex modulus of elasticity of silicate materials by a simple dynamic method. 60-05426A
- Knapp, Rudolf U. B. See Froschauer, Leonhard E.
- Knapp, Randy O.
Lead-free glaze for alumina bodies. 60-03989P
- Knapp, Warren S. See Slack, Glen A.
- Knecht, Barbara See Woermann, Eduard
- Kneittel, Dieter See Roebke, Wolfgang
- Knipping, U. See Kathrein, H.
- Knobel, R. See Freund, Friedemann
- Knobel, R.; and Freund, Friedemann
Atomic carbon in magnesium oxide: IV, Carbon dioxide evolution under argon and oxygen. 60-05560A
- Knoefel, D.
Influence of MgO on the clinker phases and on the properties of Portland cement. 60-04545A
- Knoll, Heinz; Locher, Albrecht; and Rottlaender, Rolf C. A.
Plinian glass manufacture. 60-04506A
- Knosop, Helmut
Gold alloy for firing on porcelain for dental purposes. 60-00494P
- Knott, P. See Morris, A. P.
- Knudsen, Poul E. See De Leon, Noel
- Ko, Yung-chao See Pan, Hong-chih
- Koba, Masaaki See Bando, Shinji
- Kobayakawa, Mikio See Tanemura, Seita
- Kobayashi, Kazuo See Miyazaki, Kenji
- Kobayashi, Keiji
Optical and EPR studies on redox interaction layers of Ag^+ and Cu^{2+} ions diffusing into soda-lime glass. 60-04815A
- Kobayashi, Kenichi See Abe, Masanori
- Kobayashi, M.
Dependence of elastic moduli of glass fibers on thermal history. 60-03469A
- Kobayashi, Masashi See Hirohata, Yuko
- Kobayashi, Michiko See Ikegami, Takayasu
- Kobayashi, Ryuji; and Wakabayashi, Kuniaki
Method of producing an optical waveguide material. 60-03784P
- Kobayashi, Shigeru
Decorative air bubble formation in a glassware article. 60-02377P
- Kobayashi, T.
Picosecond study of color center translocation in LiTaO_3 . 60-01949A
- Kobayashi, Takeshi See Shinoda, Yukinobu
- Kobayashi, Tsutomu See Glass, Howard L.
- Kobayashi, Tsuyoshi See Oishi, Shuji
- Kobayashi, Yasuo See Sasaki, Nobuo
- Kobayashi, Yoshimichi See Natsume, Isamu
- Kobayashi, Yoshinobu
Process for preparing titanium carbide-tungsten carbide base powder for cemented carbide alloys. 60-05543P
- Kobayashi, Yoshiyuki; and Nakamura, Tamio
Process of preparing high purity cryolite from fluoride solution containing dissolved silica. 60-02442P
- Kobylnski, Thaddeus P. See Beach, David L.
- Koch, Guenter See Goldacker, Hubert
- Kochi, Akihiko
Method of preparation of chrysoberyl and beryl single crystals. 60-00579P
- Kochkin, Yu. N. See Kozlova, N. P.
- Kochuev, E. S.; Gladush, V. M.; and Vykhovanets, A. F.
Enamel slip. 60-02235P
- Kocsis, Geza See Szabo, Istvan
- Kocsis, Geza; and Szabo, Istvan
Application of basalt in production of glasses. 60-00980A
- Kocuvan, Ivan See Sepulskii, Janez
- Kocuvan, Ivan; Barbic, Leon; and Ursic, Joze
Hydration development of fly ash cements as measured by the NMR. 60-03365A
- Kodaira, Kohei See Shimada, Shiro
- Kodaira, Kohei; Jogenji, Isao; and Shimada, Shiro
Synthesis and properties of vanadium dioxide single crystals under pressure. 60-04440A
- Koecher, Peter See Miels, Reinhard
- Koechling, K. H. See Fitzer, Erich
- Koehler, Emil K.
Process for the manufacture of refractory ware. 60-03942P
- Koehler, W.; and Frisch, G. H.
Iron and sodium self-diffusion in silicate glasses. 60-03572A
- Koenig, H. G. See Hall, D. G.
- Koepeke, Barry G.; and McHenry, Kelly D.
Composite electronic substrate of alumina uniformly needled through with aluminum nitride. 60-04058P; Fracture and deformation of PZT. 60-04013A
- Koese, S. See Bayer, Gerhard
- Koether, W.
Drying load on large-size vertically perforated clay blocks in a jet air stream. 60-05409A
- Koffyberg, F. P.
Photoelectrolysis of water on semiconducting oxide electrodes. 60-00514A
- Koffyberg, F. P.; and Benko, F. A.
Conductivity and optical absorption of semiconducting WO_3 glasses. 60-00993A
- Koga, Haruyoshi
Repairing mortars for silicon carbide bricks. 60-02568P
- Kogan, B. S. See Kanteva, I. A.
- Kogan, N. P. See Zhavoronkov, N. M.
- Kogan, V. E. See Rudulashvili, V. D.
- Koganitskaya, E. V.; and Pavlova, V. I.
Charge for producing ceramic material. 60-00962P
- Kohlíček, Jaromír See Hlavac, Jan
- Kohlmüller, Robert See Omaly, Jean
- Kohlstedt, D. L. See Carter, C. B.; Lerner, I.
- Kohra, K. See Suzuki, C. K.
- Kohyama, Fumio See Noguchi, Kazuo
- Koike, Susumu See Uragaki, Tamotsu
- Koike, Yasuhiro See Ohtsuka, Yasuji
- Koizumi, Mitsue See Ishitobi, Yu; Tsukuma, Koji
- Koizumi, Takashi See Ishihara, Kazuo
- Kojima, Masaichi; and Tokuyama, Koji
Improvement of mixing method for high- Al_2O_3 refractories. 60-05088A
- Kojima, Shotaro
Relation between supply and demand for each particle size of ground refractory materials. 60-05115A
- Kokeny, Bela See Matyási, József
- Kokorina, V. F. See Aio, L. G.
- Kokubu, Yoshinori See Yanagisawa, Osamu
- Kokumai, Hiroshi See Kawazoe, Hiroshi
- Kokumai, Hiroyuki See Iwasa, Uichi
- Kolar, Karel See Skvara, Frantisek
- Kolar, Louis C.
Energy-efficient furnace systems. 60-04611A; More effective heat utilization and application of fiber lining to P.E. furnaces. 60-00087A
- Kolbasov, V. M. See Bairamov, F. A.; Timashev, V. V.
- Kolchina, E. G. See Fedotov, A. V.
- Koldaev, B. G.; Rybalkin, P. T.; and Ivanov, S. D.
Charge for producing electrosmelted refractories. 60-01426P
- Koleda, V. V. See Belyi, Ya. I.
- Kolesnichenko, L. P. See Semchenko, G. D.
- Kolesnikov, L. M. See Primachenko, V. V.
- Kolesova, V. A.
In absorption study of glasses in the system $\text{PbO}\cdot\text{SO}_3\cdot\text{GeO}_2$. 60-01073A
- Kolitsch, Andreas; Kuechler, Roland; and Richter, Edgar
Pressure dependence of interdiffusion coefficient in potassium/sodium ion exchange. 60-05679A
- Kolitsch, Andreas; Richter, Edgar; and Hinz, Wilhelm
Determination of equilibrium constant of alkali ion exchange between glass and molten salt by a radiometric method. 60-04698A
- Kolkmeier, H.
Measures for the prevention of air pollution in brick and tile production. 60-05024A
- Kolkmeier, Helmut
Air pollution prevention in brick production. 60-02461A
- Kolobkov, V. P. See Pogoyan, M. A.; Zhmyreva, I. A.
- Kolodziej, A. See Leja, E.
- Kolomeisev, V. V. See Suvorov, S. A.
- Koltermann, Manfred
Andalusite brick for torpedo ladles. 60-01328A
- Koltermann, Manfred; and Paschmann, Dieter
Refractories 1980—future trends and developments. 60-01390A
- Komarova, N. V. See Kanchieva, O. N.
- Komaru, Isamu See Sasaki, Tadao
- Komatsu, T. See Hirao, Kazuyuki
- Komazawa, Yoshihisa See Mimura, Yoshinori
- Komeya, Katsutoshi See Inoue, Hiroshi
- Komeya, Katsutoshi; Inoue, Hiroshi; and Kudo, Haruo
Method of producing silicon carbide powder. 60-00466P
- Komiya, Soji; Umez, Nobuo; and Hayashi, C.
Titanium nitride film as a protective coating for a vacuum deposition chamber. 60-01794A
- Komlev, V. G.; Kurkina, I. D.; and Petrov, V. A.
Dilatometric studies on Al_2O_3 -SiC materials based on Al-Cr phosphate binders. 60-00409A
- Komorita, Fujio See Inoue, Satoshi
- Komov, I. L.; and Samoilovich, M. I.
Effect of growth conditions on the ir absorption spectra of quartz crystals. 60-05602A
- Komova, R. V. See Bogodist, I. M.
- Komppa, V.
Crystallization kinetics of $\text{Li}_2\text{O}\cdot\text{SiO}_2$ glasses studied by amorphous X-ray scattering. 60-04696A; Scanning electron microscope study of bulk crystallization in $\text{Li}_2\text{O}\cdot\text{SiO}_2$ glasses. 60-04855A
- Kom'shin, A. N. See Timashev, V. V.
- Komskey, M. S. See Moroz, I. I.
- Komsolev, V. S. See Cherkinskii, Yu. S.
- Konaveva, G. Ya. See Sattarov, D. K.
- Kondin, V. F.; Permyakov, P. G.; and Alekhin, A. M.
Enamel for aluminum and its alloys. 60-00964P
- Kondo, Renichi See Ohsawa, Shigenari
- Kondo, Renichi; Daimon, Masaki; and Song, Chong-Tak
Effect of lime on the hydration of supersaturated slag cement—correction. 60-00908A
- Kondo, Teruhisa; Ishiguro, Jiro; and Watanabe, Nobutsu
Process for producing flexible graphite product. 60-03015P
- Konig, Peter
Method for the preparation of catalyst of vanadium pentoxide on substrate of titanium dioxide. 60-00753P
- Konik, Zofia See Werynski, Bronislaw
- Kono, Takuo See Shibata, Hidetoshi
- Kononikhin, V. S. See Gogishvili, O. Sh.
- Konoval, E. M.; Shvorneva, L. I.; and Buyanova, T. P.
Dependence of the thermal expansion of $\text{Al}_2\text{O}_3\cdot\text{SiO}_2\cdot\text{Li}_2\text{O}$ system glass-ceramics on the degree of their crystallization. 60-01010A
- Konovaleva, M. K.; See Ostapenko, M. Ya.
- Konstantinova, G. S. See Lovozovskii, V. N.
- Kontz, Robert F. See Chang, Long F.
- Konuma, Mitsuhiro See Matsumoto, Osamu
- Koo, Jackson C. See Hendricks, Charles D.; Rosenkwaig, Allan
- Koop, Nicholas S.; and Morrissey, William J.
Niobium coatings for joining ceramic to metal. 60-00588P
- Kopilevich, V. S. See Kurbatova, I. I.
- Koptsik, V. A. See Gavrilo, N. D.
- Kopylov, N. I. See Toguzov, M. Z.
- Kopylov, V. B. See Smirnov, E. P.
- Koradia, Pramod B. See Klovsky, Joseph R.
- Kordan, Herbert See Grunert, Lothar
- Koren, E. M. See Pikashov, V. S.
- Korenev, Yu. M. See Karasev, N. M.; Ratnikova, I. D.
- Koricheva, I. V. See Galant, E. I.
- Koriev, A. S. See Tyurin, N. A.
- Korneev, V. I. See Andreev, V. V.
- Korneev, V. I.; Andreev, V. V.; and Sizyakov, V. M.
Stressing cements based on waste products of alumina production. 60-04567A
- Kornev, V. V. See Dvurechenskii, A. V.
- Kornienko, L. S. See Avanesov, A. G.; Denker, B. I.; Dianov, E. M.
- Korobka, L. A.; Tretyak, Z. A.; and Plichko, E. P.
Photometric determination of iron in refractory materials using o-phenanthroline. 60-05101A
- Korol, E. Z. See Semchenko, G. D.
- Koronkevich, V. P.; and Khanov, V. A.
Interference microscope with a frequency shift for the investigation of the refractive index profiles of glass fibers. 60-03564A
- Koryagin, V. F. See Karpov, I. I.
- Kos, Gary A. See Mohr, William C.
- Kosa, Ladislav See Adamkovicova, Katarina
- Kosak, Wolodymyr See Braun, Peter D.
- Kosaka, Mineo See Asahina, Tadashi
- Kose, Katsumi; Ueki, Akikatsu; and Iida, Shuichi
Study of single crystal Fe_2TiO_5 by measurement of magnetization and Mossbauer spectra. 60-04226A
- Kosha, Hideaki See Yamaguchi, Takashi
- Koshchenko, V. I.; Demidenko, A. F.; and Prokof'eva, N. K.
Effect of temperature on the thermodynamic properties of β -SiC at 5–300 K. 60-04312A
- Koshino, Takashi See Ito, Akio
- Koshino, Takashi; Ito, Akio; and Nagae, Hajime
Surface treatment of structural ceramic ware. 60-05033A
- Koshiyama, Isamu; and Naitou, Yoshisuke
Method for polishing a single crystal or gadolinium gallium garnet. 60-00567P
- Koshkin, V. M.; Zabrudskii, Yu. R.; and Gerasimenko, V. S.
Electron states of impurities in semiconductor glasses. 60-04737A
- Kosinskaya, A. V. See Valiev, K. Sh.
- Kosmac, Thomas; Wagner, Rudolf; and Claussen, Nils
X-ray determination of transformation depths in ceramics containing tetragonal ZrO_2 . 60-04466A
- Kosolapov, E. F. See Bron, V. A.
- Kosolapova, T. Ya.
Synthesis of powders and single crystals of high-melting [refractory] compounds. 60-04442A; See also Popova, O. I.; Zyaichev, D. P.

- Kostanyan, K. A.; Khalilov, V. D.; and Oganessian, R. M.
Properties and structure of alkali-free fluorine-containing borate glasses. 60-00249A
- Kostanyan, K. A.; Yarovaya, K. S.; and Bechemyan, L. K.
Production of glass-ceramic materials from rocks from the Armenian SSR. 60-01137A
- Koster van Groos, A. F. See Visser, Wiekert
- Koster, K. H.
Discharge devices for bunkers. 60-02101A
- Kostic, E.; and Kiss, S.
Sintering of arc-melted oxide materials at low temperatures. 60-05697A
- Kostikas, A. See Maniatis, Y.
- Kostin, A. S. See Udovenko, V. G.
- Kostin, L. I. See Dvinskikh, Yu. V.
- Kostinko, John A.
Method of producing a zeolite of controlled particle size. 60-01820P; Method of producing zeolite Y. 60-04252P
- Kostogonov, V. G. See Kiseleva, S. A.
- Kosuge, Koji. See Nishihara, Hiromori
- Kozl, Louis A. See Hartman, Robert L.
- Kotnack, L. H. See Kersting, J. J.
- Kotnick, David M. See Bakker, Wate T.
- Kotel'nikov, D. D.; Rabinov, V. T.; and Postnikov, A. V.
Trioctahedral chlorite-montmorillonite clays in the Upper Precambrian formations of the Siberian platform. 60-05733A
- Kotlova, A. G. See Piloyan, G. O.
- Kotsik, Ildiko
X-ray microanalytical investigation of secondary mullite. 60-05233A
- Kotlar, B. Ya. See Gladyshevskii, E. I.
- Koudelka, L.; Frumar, M.; and Pisarcik, M.
Raman spectra of Ge-Sb-S system glasses in the S-rich region. 60-01144A
- Koumoto, Kunihito. See Yamashita, Kimihiro
- Kouwenhoven, Herman W.; and Stork, Willem H. J.
Crystalline silicates and hydrocarbon-conversion processes employing them. 60-02995P
- Kovac, Frantisek
Use of flat glass for the manufacture of curved illumination and technical glasses. 60-02355A
- Kovach, Louis. See Holcombe, Cressie E., Jr.
- Kovacs, Erno. See Tosi, Isid
- Koval'skii, N. G. See Bol'shov, L. A.
- Kovalenko, A. I. See Shitand, S. K.
- Kovalenko, V. S. See Akhmetov, S. F.
- Kovalenko, V. S. See Andreeva, N. G.
- Kovba, L. M.; Lykova, L. N.; and Kalinina, T. A.
Physicochemical investigation of gallates and indates of the alkaline-earth elements. 60-03162A
- Kovchur, S. G.; Gaiduk, A. P.; and Ol'shanskii, A. I.
Spectral absorption properties of Ti-Nd glasses. 60-04868A
- Kovel, Ralph; and Kovel, Terry (Editors)
Kovel's Illustrated Price Guide to Depression Glass and American Dinnerware. 60-00860B; Kovel's Illustrated Price Guide to Royal Doulton. 60-00861B
- Kovel, Terry. See Kovel, Ralph
- Kovner, M. I.; Zagural'skii, M. T.; and An, Ok Ha
Enamel [with increased thermal and abrasion resistance]. 60-04654P
- Kovner, M. I.; Zagural'skii, M. T.; and Iordanov, V. Ya.
Enamel slip. 60-00965P
- Kovshar, V. N.; Pukhov, V. A.; and Tsakhilov, B. D.
Method and equipment for automatic control of heat treatment of gypsum raw material in digesters. 60-04592P
- Kowalski, Zbigniew W. See Lukasiewicz, Marian
- Koychev, Todor Y.; Georgiev, Georgi M.; and Lazov, Lyuben K.
Apparatus for coating graphite electrodes. 60-03918P
- Koytsoyakis, A.; and Siapkas, D.
Infrared reflectivity spectra of SbBr glass. 60-03560A.
- Kozawa, Tokujiro
Multilayer nonreflecting film. 60-03792P
- Kozheurova, N. V. See Lykasov, A. A.
- Kozhevnikov, A. F. See Novosodov, V. K.
- Kozhevnikova, L. V. See Feodorov, N. F.
- Kozhina, N. M. See Usatkov, I. F.
- Kozhukharov, V. See Marinov, M.
- Kozinskaya, T. G. See Voronkova, V. I.
- Koziol, Joachim. See Szargut, Jan
- Kozlova, M. A. See Pavlova, G. A.
- Kozlova, N. P.; and Kochkin, Yu. N.
Synthesis of high-refractive glasses by coprecipitation. 60-03696A
- Kozlova, R. A. See Zakharenkov, V. K.
- Kozlovskii, L. V. See Arabidze, A. Sh.
- Kozma, Bela; Furak, Andras; and Fajka, Laszlo
Water economy and the reduction of water losses in ceramic whiteware plants. 60-03981A
- Kozorog, M. G. See Bobkova, N. M.
- Kraeutle, H. See Beneking, Heinz
- Kraev, V. M.; Sopalechuk, L. S.; and Ivanov, Yu. V.
Conveyor line assembly for drying and firing porous ceramic pipes in the Sverdlovsk Plant for Ceramic Bodies. 60-03829A
- Krahl, Karl; Clauss, Ulrich; and Mann, Wolfgang
Electrostatic glaze application on sanitary ware. 60-05205A
- Krajewski, Adriano. See Azzoni, C. B.
- Krajins, Antonin. See Bouse, Václav
- Kramarov, O. P. See Yusevker, Yu. A.
- Krasil'nikov, V. K. See Dotsenko, A. V.
- Krasil'nikov, V. N. See Glazyrin, M. P.
- Krasnenko, T. I. See Slobodin, B. V.
- Krasnosova, A. S.; and Ermolova, A. I.
Opaque glaze. 60-05253P
- Krasnova, L. V. See Tyurina, E. F.
- Krasulina, Yu. L.; Timofeev, V. N.; and Barinov, S. M.
Porous Structural Ceramics (Poristaya Konstruktsionnaya Keramika). 60-05758B; Strength and fracture of porous ceramic sintered from spherical particles. 60-00831A
- Kraszewski, Richard; and Damiguet, Jean J.
Cement-based powdered water-repellent composition and its applications. 60-00935P
- Kratsch, Kenneth M.; and Eitman, David A.
Method for fabricating a reinforced composite. 60-03002P
- Krause, John T.
Zero stress strength reduction and transitions in static fatigue of fused silica fiber lightguides. 60-00301A
- Krause, John T.; Testardi, L. R.; and Thurston, R. N.
Deviations from linearity in the dependence of elongation on force for fibers of simple glass formers and of glass optical lightguides. 60-04704A
- Krause, Roland. See Druckenbrodt, W.-G.
- Krauss, Alan R. See Liu, Ming-Bian
- Krausz, A. S.; and Krausz, K.
Theory of nonsteady state fracture kinetics analysis: I. General theory of crack propagation. 60-02000A
- Krausz, A. S.; Mshana, J.; and Krausz, K.
Theory of nonsteady state fracture kinetics analysis: II. Nonsteady state crack propagation in stress corrosion cracking. 60-02001A
- Krausz, K. See Krausz, A. S.
- Krauth, Axel. See Keller, Hartmut
- Kravale, I. See Pauks, P.
- Kravchenko, I. V.; Khariamov, V. A.; and Kuznetsova, T. V.
Rapid-setting sulfate-aluminate belite cement. 60-04562A
- Kravchenko, V. B. See Izyumov, A. A.
- Kravchenko, V. M. See Shulyak, R. S.
- Kravchenko, V. P. See Usatkov, I. F.
- Kreher, W.; and Pompe, W.
Increased fracture toughness of ceramics by energy dissipative mechanisms. 60-04349A
- Kreidl, Norbert J.; and Manning, William H.
ICG Meeting report. 60-02298A
- Kreidl, Norbert J.; and Rindone, Guy E.
Glass in space. 60-00170A
- Kreiger, John W. See Gee, Kenneth H.
- Krekel, R. J.; and Kline, J. P.
America's first wet to dry conversion at Medusa Cement Company's Charlevoix (Mich.) plant. 60-02071A
- Krepski, R. P. See Jantzen, Carol M. F.
- Kresge, James S.
Method for manufacturing zinc oxide varistors having reduced voltage drift. 60-02758P
- Kressel, Henry. See Hawrylo, Frank Z.
- Kreuzburg, Gerhard. See Lenz, Arnold
- Krezhov, K. See Neov, S. D.
- Krieg, H. See Doerner, P.
- Kriegesmann, Jochem; Frischat, G. H.; and Hennicke, Hans W.
Internal friction of doped polycrystalline magnesia: I. Theory. 60-05637A; Internal friction of doped polycrystalline magnesia: II. Results. 60-05638A
- Krifi, H.
Energy saving by choosing the appropriate control method for radial-flow fans. 60-02107A
- Krijgsman, Pieter
Method of and structure for forming a reaction product such as calcium silicate and the resulting structure. 60-02213P
- Krikunov, O. I. See Topil'skii, G. V.
- Krill, G.; Ravei, M. F.; and Kappler, J. P.
Magnetic properties of some rare earth monoxides LnO (Ln = Pr, Nd, Sm) mixed valence state of SmO. 60-01923A
- Kriner, Ken
Air bags help solve shipping problem. 60-02239A
- Krings, Arthur. See Ennoul, Marc
- Krischker, Peter
Particle size analysis by pressure measurement in a suspension. 60-05437A
- Krishna Pillai, P. See Mukundan, P.
- Krishnamurthy, N.; Venkataramani, R.; and Garg, S. P.
High temperature reaction of niobium pentoxide with niobium carbide and titanium carbide. 60-01907A
- Krishnan, P. N. See Walrafen, George E.
- Kristen, Klaus; and Scheidler, Herwig
Vitroous ceramic cooker hob plate with permanently elastically adhesively attached circumferentially surrounding frame. 60-02459P
- Krivandin, V. A. See Serov, V. V.
- Krivaneck, Ondrej L. See Williams, P.
- Krivaneck, Ondrej L.; and Mazur, Jerry H.
Structure of ultrathin oxide on silicon. 60-03207A
- Krivenko, P. V. See Dem'yanova, L. E.; Glukhovskii, V. D.
- Krivososova, N. T. See Dazhuk, K. V.
- Krivososova, N. T.; Galan, V. M.; and Kis, I. V.
Improving the quality of ceramic sanitary wares. 60-03963A
- Krivtsova, V. L. See Gershinskii, A. E.
- Kriz, Karel; and Kleinlein, F. Wilhelm
Influence of the testing rate on slow crack growth in alumina with different grain sizes. 60-05629A
- Kroeger, F. A. See Wang, Hsingya
- Kroemer, Herbert. See Wright, Steve
- Kroenert, W. See Uenal, N.
- Krogbeumker, G.
Operating experience with a new multicomponent recirculating air separator. 60-02163A
- Krohn, David A.
Method of manufacture of optical fiber. 60-04971P; Method of manufacturing graded index optical fibers. 60-04973P
- Krohn, David A.; Saiter, Elias; and Raber, Peter E.
Sealing glass. 60-04999P
- Krohn, U. See Moergenthaler, K. D.
- Krokhina, A. G.; Andrachnikova, A. P.; and Strehachinskii, A. B.
Interactions of the iodides of the rare earth elements with the iodides of the alkali metals. 60-03111A
- Krol, Denise M.; Blasse, G.; and Powell, R. C.
Influence of the Li/Nb ratio on the luminescence properties of LiNbO₃. 60-03106A
- Krol, Denise M.; Ros, J. P. M.; and Roos, A.
Influence of crystal structure and chemical composition on the energy transfer processes in uranates. 60-02803A
- Krolla, Georg. See Faustlich, Marga
- Krolo, Petar. See Krstulovic, Ruza
- Kronzer, Frank J.
Substrate having a thermoplastic binder coating for use in fabricating abrasive sheets and abrasive sheets manufactured therewith. 60-00881P
- Kroyer, Karl K. K.
Method of utilizing fly ash from power works and refuse disposal plants in the production of cement clinkers, and a plant for carrying out said method. 60-03409P
- Krusic, Vladimir D.; Nicholson, Patrick S.; and Hongland, Richard G.
Toughening of glasses by metallic particles. 60-04899A
- Krusic, Vladimir D.; Nicholson, Patrick S.; and Purdy, Gary R.
Precipitation in LiF-MgF₂ solid solutions. 60-05678A
- Krstulovic, Ruza; Krolo, Petar; and Ferlic, T.
Effect of alkali crucibles in kilns on the quality of cement. 60-02102A
- Kruchan, Ya. Ya. See Freimanis, V. A.
- Kruchinin, Yu. D.; Karyakin, V. A.; and Kuleshov, E. A.
Spinel-pyroxene glass-ceramics. 60-03674A
- Kruchinin, Yu. D.; and Kuleshov, E. A.
Formation and properties of glasses in the system CaO-FeO-SiO₂. 60-00165A
- Krueger, B.; Kock, Roland; and Busse, Horst
Monitoring wall temperature in furnace linings. 60-01675A
- Kruger, Richard; and Morris, Roger
Finding flaws with tomography. 60-04148A
- Kruglitskii, N. N.; Minchenko, V. V.; and Mischenko, S. F.
Thinners [electrolytes] for kaolin dispersions. 60-05730A
- Kruglitskii, N. N.; Moroz, B. I.; and Datsenko, B. M.
Properties of ceramic materials during the sintering of a body containing kaolinite and montmorillonite. 60-04402A
- Krumphold, R. See Hermel, Waldemar
- Kryshchok, V. G. See Fesenko, E. G.
- Krzyszczanowski, R. E. See Klimenko, M. M.
- Kubecki, Ronald M.
Thin film deposition apparatus using an rf glow discharge. 60-04104P
- Kubaschewski, Oswald. See Nuessler, Hans-Dieter
- Kubat, Jan. See Kaplanek, Jiri
- Kubo, Mitsuji. See Okamoto, Ikuro
- Kubo, Sueki. See Eguchi, Tadataka; Fujita, Masayuki
- Kubo, Sueki; Watanabe, Toshio; and Fujita, Masayuki
Apparatus for applying refractory material onto the inner surface of a furnace. 60-00454P; 60-00455P
- Kubota, Y. See Oishi, Yasumichi
- Kucera, Jan. See Auerbeck, Jiri
- Kucher, E. See Bender, Willi
- Kucheryav, M. N. See Astanina, G. I.
- Kudo, Bossai. See Shudo, Taro
- Kudo, Haruo. See Komeya, Katsutoshi
- Kudo, Tetsuichi. See Miyauchi, Katsuki
- Kudrenski, W. See Valore, R. C.
- Kudynkov, A. I.; Taran, N. N.; and Gaidelis, G. A.
Gypsum articles [with increased strength and decreased moisture content]. 60-04585P
- Kuecher, Roland. See Kolitsch, Andreas
- Kuester, H.; and Ebert, J.
Activated reactive evaporation of TiO₂ layers and their absorption indexes. 60-02604A
- Kuhlmann, K.; and Ellerbrock, H.-G.
Changes in the flow behavior of cement during storage. 60-02081A
- Kuisl, M.; and Sasse, E.
Diffusion of phosphorus in silicon dioxide from a spin-on source. 60-01522A
- Kukacka, L. E. See Sugama, Toshifumi
- Kukharskaya, E. V.; Skorik, Yu. I.; and Makurskaya, V. M.
Effect of chemical composition and thermal expansion of glasses on their waterproofing with polydimethylsiloxane. 60-03484A
- Kukolev, G. V.; Andreevskaya, D. D.; and Proskurnya, G. Yu.
Heat-treatment of low-melting enamel. 60-00969P
- Kukolev, G. V.; Ved, V.; and Dobrovolskii, G. B.
Thermal stability of magnesium ceramics in a low temperature plasma stream. 60-04228A
- Kukov, S. See Panova, S.
- Kukushva, M.; Radkova, A.; and Nedev, V.
Accelerated firing of porcelain sanitary wares. 60-05187A

- Kukushva, M.; and Sivova, R.
Thermal behavior of compositions and raw materials in the rapid firing of sanitary ceramic wares. 60-00491A
- Kula, T. M.; Meier, Michael D.; and Tressler, Richard E.
Curing temperature and humidity effects on the strength of an aluminous cement. 60-02095A
- Kuleshov, E. A. See Kruchinin, Yu. D.
- Kuleshova, T. B.; Razuminskaya, O. N.; and Molchanova, R. A.
Reactions in the formation of Pb_2TaMnO_6 . 60-04412A
- Kulesza, B. L. J. See Thorp, J. S.
- Kuliev, A. A. See Babanly, M. B.; Gotuk, Ali Alarik
- Kulkarni, A. K.; Dalvi, P. Y.; and Rao, S. V. K.
Development of sintered zircon from Indian zircon sand. 60-05069A
- Kulkarni, A. K.; Upadhyaya, D. D.; and Moorthy, V. K.
Influence of calcination treatment and firing atmosphere on dielectric properties of $BaTiO_3$. 60-00506A
- Kull, B. See Hoelscher, M.
- Kullmann, D.
Solar roofing tiles. 60-02496A
- Kumagai, Masato; Uchimura, Ryoji; and Kishidaka, Hisashi
Evaluation of thermal shock resistance of refractories using acoustic emission technique. 60-01351A
- Kumar, A. See Pal, B. P.
- Kumar, Ashok; Lakshminarayana, K. N.; and Srivastava, K. K.
Electrical conductivity and dielectric constant of semiconducting glasses—As-Ge-Te and Se-Ge-Te alloy systems. 60-03493A
- Kumar, B.; and Rindone, Guy E.
Phase separation characteristics of a soda-lime-silica glass as influenced by melting atmosphere. 60-04823A
- Kumar, Binod
Formation and properties of glasses in the CaF_2 - AlF_3 - P_2O_5 system. 60-03518A
- Kumar, Binod; and Rindone, Guy E.
Phase separation in a soda-lime glass as affected by silica purity. 60-04824A
- Kumar, S. See Islam, N.
- Kumashiro, Yukinobu See Nakano, Kikuo
- Kume, Makoto
Alkali-resistant glass composition. 60-02361P
- Kummer, Joachim See Conrad, Gerhard
- Kummer, K.
New 3 km long overland belt conveyor system for a modern lime plant. 60-02155A
- Kundu, N. N. See Wadhawan, O. P.
- Kundu, P. See Das, Saroj Kanti
- Kundu, P.; Das, Sali K.; and Thigarajan, S.
Utilization of phosphorus plant slag in ceramic wall tiles. 60-03980A
- Kunes, Karel See Hanykr, Vladimir; Srebek, Frantisek
- Kung, H. H. See Jarrett, H. S.
- Kunjunny, T.; and Ferry, D. K.
Calculation of the Auger line at the Si/SiO₂ interface. 60-05570A
- Kuntze, Richard A. See Glass, Roger W.
- Kupriyanov, M. F. See Zaitsev, S. M.
- Kupriyanov, M. F.; Zhavoronko, G. P.; and Shilkina, L. A.
Morphotropic phase transitions in ferroelectric solid solutions. 60-04373A
- Kuramoto, Nobuyuki See Mitomo, Mamoru
- Kurashina, Fumiaki See Yomota, Junji
- Kurashvili, S. E. See Dobruskin, V. Kh.
- Kurata, Yuji; Ikawa, Katsuchi; and Iwamoto, Kazumi
Effect of heat treatment on density and structure of SiC. 60-05364A
- Kurbatova, I. I. See Mironov, S. A.
- Kurbatova, I. I.; Koplevich, V. S.; and Abramkina, V. G.
Effect of alkalis on the hydraulic activity of belite cement slurry. 60-04523A
- Kurczyk, Heinz-Georg
Synthetic diopside and wollastonite—new raw materials for ceramics. 60-02912A
- Kuriakose, A. K.; and Beaudin, L. J.
Tetragonal zirconia in chilled-cast alumina-zirconia. 60-00005A
- Kuribayashi, Kiyoshi; and Nicholson, Patrick S.
Dense conductive β'' - Al_2O_3 ceramics by spray-freeze/freezing-drying. 60-01519A
- Kuribayashi, Kiyoshi; Yoshimura, Masahiro; and Ohta, Tatsuo
High-temperature phase relations in the system Y_2O_3 - Y_2O_3 - WO_3 . 60-00802A
- Kurihara, Junsaku; Takahashi, Hiromitsu; and Marushima, Hiroya
Starting-up and operation of Chiba No. 6 blast furnace. 60-01405A
- Kurino, Hiroyuki; Miura, Takeshi; and Haraguchi, Takuji
Applications of recycled monolithic refractories: I. 60-05052A
- Kurita, Sumihiko
Thermoprotecting $[Al_2O_3$ - $Cr_2O_3]$ tube. 60-00477P
- Kurkina, I. D. See Komlev, V. G.
- Kurkjian, Charles R.
Statistics of the tensile strength of glass fibers for optical communications. 60-03678A; See also Mims, William B.; Peterson, George Earl; Rongved, L.
- Kurochka, L. P. See Karyuk, A. A.
- Kuroda, Ekyo; Matsubara, Sunao; and Saitoh, Tadashi
Cochloral growth of square silicon single crystals. 60-01871A
- Kurokawa, H. See Ando, Ken
- Kurokawa, Riichi See Kawamura, Suzezo
- Kurosaki, Shiro See Kakuzen, Hideo; Shiraiishi, Satoshi
- Kuroyanagi, Itsumo See Yamaguchi, Hiseyoshi
- Kursunovic, A.; and Scott, M. G.
Use of Young's modulus to monitor relaxation in metallic glasses. 60-02354A
- Kursinovsky, G. V. See Anisimov, V. A.
- Kusaka, Yukio See Watanabe, Akira
- Kushiro, I. See Virgo, D.
- Kusior, E. See Brudnik, A.
- Kutateladze, K. S.; Goprindashvili, G. G.; and Davidze, R. I.
Use of trachyte as a flux in the production of sanitary ceramic wares. 60-03977A
- Kutty, T. R. Narayanan See Viswanathiah, M. N.
- Kutzendorfer, Jaroslav See Matej, Jiri; Pitra, Josef
- Kutzendorfer, Jaroslav; and Kaspar, Jiri
Pitting corrosion of the bottom in the process of Pb-glassmelting. 60-04826A; Pitting corrosion test and possibility of its application in service. 60-04827A
- Kuwabara, M.; Benn, M.; and Riley, F. L.
Reaction hot-pressing of compositions in the system Al-Si-N-O corresponding to β' -silicon. 60-00823A
- Kuwabara, Toru See Izawa, Tatsuo
- Kuwagaki, Hiroshi See Yano, Kohzo
- Kuwahara, Makoto
Properties and application of powder. 60-05106A
- Kuwamoto, Hidechiko; Honig, J. M.; and Appel, J.
Electrical properties of the (V...Cr...O)₂ system. 60-03075A
- Kuwano, J.; and West, Anthony R.
New Li⁺ ion conductors in the system Li-GeO₂-Li₂VO₄. 60-01932A
- Kuwata, Jun; Uchino, Kenji; and Nomura, Shoichiro
Electrostrictive coefficients of $Pb(Mg_{1-x}Nb_x)O_3$ ceramics. 60-02637A
- Kuyt, G. See Khoe, G. D.
- Kuzenkova, M. A. See Kayuk, V. G.
- Kuz'ma, Yu. B. See Chaban, N. F.
- Kuz'menko, A. S. See Ryabov, E. N.
- Kuz'min, I. I. See Obratsova, E. V.
- Kuz'min, L. I. See Panfilov, R. A.
- Kuz'min, L. I.; Panfilov, R. A.; and Remezova, T.
Refractory articles. 60-01451P
- Kuz'movich, V. V. See Ust'yanov, V. B.
- Kuznetsov, A. I. See Ushakov, D. F.
- Kuznetsov, A. I.; Pogoyan, M. A.; and Khaliev, V. D.
Soldering of Al alloys with alkali fluorophosphate glasses. 60-03671A
- Kuznetsov, A. Y. See Orlova, L. A.
- Kuznetsov, N. T.; Slovyanskikh, V. K.; and Gracheva, N. V.
Compounds Dy₂Se₃ and USe₃. 60-03046A
- Kuznetsov, V. G. See Palkina, K. K.
- Kuznetsova, I. G. See Fedotov, A. V.; Poluboyarinov, D. N.
- Kuznetsova, N. P. See Serov, V. V.
- Kuznetsova, T. V. See Kravchenko, I. V.; Vlasova, M. T.
- Kuznetsova, T. V.; and Soboleva, K. L.
Effect of magnesia on the clinker phase composition and properties of asbestos cement. 60-04525A
- Kvitsaridze, O. I. See Verulashvili, R. D.
- Kvyatkovskaya, K. K.; Ivchenko, G. F.; and Grum-Grzhimalo, O. S.
Production of glazed ceramic tiles for floors using reactive dyes and glazes. 60-03971A
- Kvyatkovskaya, K. K.; Ivchenko, G. F.; and Petrenko, L. P.
Determination of the wearability of glazed tiles for floors. 60-03957A
- Kvyatkovskii, O. V. See Fedorov, N. F.
- Kwok, H. L.; and Chau, Y. C.
Carrier density and mobility in Cd₃Zn₂S₄ chemically sprayed films. 60-01511A
- Kyoden, Hiroshi See Hirahara, Hiroaki
- Kyoden, Hiroshi; Namba, Yasutoshi; and Kamamaru, Kozo
Test results of gas purging submerged nozzles using a water model. 60-05128A
- Kyoden, Hiroshi; Namba, Yasutoshi; and Kanemaru, Kozo
Effect of additives on decomposition of stabilized zirconia. 60-00412A
- Kyriazopoulos, Basil D.
Greek ceramic artists of Hellenistic. 60-03316A
- LaLama, S. J. See Nacamu, R. L.
- Lasko, Vesa; and Mannagard, Magne
Lining wear in AOD process measured by activated isotopes. 60-03893A
- Labbe, Jean-Claude See Billy, Michel
- Labbe, P. See Goreaud, Michel
- Labino, Dominick
Instrument for measuring the softening temperature of glass. 60-03759P
- Labinskii, P. G. See Osmanis, A. D.
- Labinskii, P. G.; Osmanis, A. D.; and Volkov, G. F.
Strengthening glass articles by ion-exchange. 60-01302P
- Lach, J. J. See Schreiber, Henry Dale
- Lachman, Irwin M. See Armistead, William H.
- Lachman, Irwin M.; Bagley, Rodney D.; and Lewis, Ronald M.
Thermal expansion of extruded cordierite ceramics. 60-01793A
- Lachowski, Eric E. See Dixon, S.
- Lachowski, Eric E.; and Mohan, K.
Reply [to Comment on "Analytical electron microscopy of cement pastes: I, Tricalcium silicate pastes."]. 60-02183A
- Lachowski, Eric E.; Mohan, K.; and Taylor, H. F. W.
Analytical electron microscopy of cement pastes: II, Pastes of portland cements and clinkers—reply. 60-03336A; Analytical electron microscopy of cement pastes: III, Pastes hydrated for long times. 60-03337A
- Lackey, W. J. See Caputo, Anthony J.
- Lacour, C.
Relation between thermochemical treatment and transparency of $MgAl_2O_4$ prepared from freeze-dried liquid solutions. 60-03179A
- Ladany, Ivan
Etching of optical fibers. 60-03744P
- Lagakos, Nicholas See Mohr, Robert K.
- Lagakos, Nicholas; Bucaro, J. A.; and Hughes, Ronald G.
Acoustic sensitivity predictions of single-mode optical fibers using Brillouin scattering. 60-03429A
- Lagzdina, S.; Peterson, D.; and Sedmalis, U.
Glass [with increased uv light transmission by adding SiO₂, CdO, and Na₂SiF₆]. 60-04936P
- Lahae, F. See Fonteneau, G.
- Lai, G. Y.
Factors affecting the performances of sprayed chromium carbide coatings for gas-cooled reactor heat exchangers. 60-01749A
- Lai, S. K. See Dressendorfer, P. V.
- Lalaskas, Kh. P. See Peshekhonov, N. D.
- Laible, Roy C. (Editor)
Ballistic Materials and Penetration Mechanics. [Methods and Phenomena—Their Applications in Science and Technology: No. 5.] 60-03259B
- Laing, J. R.
Some developments in glass tank insulation. 60-03672A
- Laipenieks, Juris
Method and apparatus for controllably recycling the solids content of the effluent from an asbestos-cement products forming plant. 60-00061P
- Laird, R. T.
Brick industry in South Africa. 60-01467A
- Laitinen, Herbert A.; and Thornton, Donald C.
Thin platinum films on tin oxide substrates. 60-05351P
- Lakin, K. M. See Tiku, S. K.
- Lakshmi, G.; and De Wette, F. W.
Effect of charge deformation and geometric relaxation on the dynamics and the thermodynamic properties of the MgO(001) surface. 60-04307A
- Lakshminarayana, K. N. See Kumar, Ashok
- Lai, H. B. See Verna, B. K.
- Lal, Ramji; and Ramakrishnan, P.
Preparation of ferrite products by chemical methods—a review. 60-05290A
- Lam, D. J.; Paulikas, A. P.; and Veal, B. W.
X-ray photoemission spectroscopy studies of soda aluminosilicate glasses. 60-01202A
- Lam, R. B.; and Isenhour, T. L.
Minimizing relative error in the preparation of standard solutions by judicious choice of volumetric glassware. 60-02845A
- Lambe, John See McCarthy, S. L.
- Lamberg-Karlovsky, C. C. See Kamilli, D. C.
- Lambert, A.
Revolution in the concept of electronic automation. 60-01682A
- Lambert, W.
Applied ultrasonics—a productive aid to the glass-user industry. 60-03436A
- Lamden, D. I. See Mostinskii, I. L.
- Lamon, J.
Characterization of the cracking of ceramics in the double torsion test. 60-00771A
- Lamon, J.; and Torre, J. P.
Prediction of the service life of ceramic pieces. 60-01772A
- Lamond, Trevor G.; and Cuthbertson, Charles R.
Process for producing pelleted kaolin clay. 60-02922P
- Lancaster, Robert A. See Atkinson, Alan W.
- Land, Cecil E. See Chen, Peter J.; Percy, P. S.
- Land, Cecil E.; and Percy, P. S.
Photosensitivity enhancement by H- and He-ion implantation in lead lanthanum zirconate titanate ceramics. 60-02685A
- Land, P. L. See Mendiratta, Madan G.
- Landferrmann, H. See Boecker, W.
- Landgraf, Karl-Friedrich
Montmorillonite layer fraction and degree of order of muscovite-montmorillonite-mixed-layer minerals in Friedland clay. 60-05659A
- Landini, Dennis J. See Adams, Thomas E.
- Lane, A. D. See Coty, P. J.
- Laner, Franco
Requirements for acceptance of structural clay units for masonry. 60-05029A
- Langdon, T. G. See Evans, A. G.
- Lange, F. F. See Morgan, P. E. D.
- Lange, G. See Ellerbrock, H. G.
- Lange, J.; Laurent, V.; and Maunaye, M.
Nitrides—structure and crystal growth. 60-04032A

- Lange, Peter** See Berger, Iris
- Langehof, H.; Weitzel, H.; and Woelfel, E.**
Cation distribution and magnetic order in the rutile-type [compounds] $(\text{Fe}_{1-x}\text{Ta}_x)_2\text{O}_5$ and $(\text{Fe}_{1-x}\text{Nb}_x)_2\text{O}_5$, 60-03040A
- Langton, Christine A.; and Roy, Della M.**
High temperature cement. 60-04589P
- Lankford, James**
Mechanisms responsible for strain-rate-dependent compressive strength in ceramic materials. 60-03127A; Threshold microfracture during elastic-plastic indentation of ceramics. 60-04458A
- Lapierre, J. See Bures, J.**
- Lapinski, Norman; and Sather, Allen**
Process for the detection of microcracks. 60-01687P
- Laplace, Bernard**
French cement [industry's] efforts to return to coal firing. 60-04537A
- Lapp, Marshall; Penny, C. M.; and Warshaw, S.**
Unlocking the secrets of combustion. 60-04179A
- Laptev, D. M.; Goryushkin, V. F.; and Astakhova, I. S.**
System SiMnCl-SiMnCl . 60-00838A
- Laptev, V. I. See Khramkov, V. P.**
- Larchuk, T. J. See Kirchner, Henry P.**
- Larionov, V. K. See Timashev, V. V.**
- Larker, Hans** See Adlerborn, Jan
- Larsen, Arno I. M. See De Leon, Noel**
- Larsen, Glen A.; and Hjerpe, Brad**
Improvement in the gunned refractory lining life of 1300-ton hot metal mixers at U.S. Steel—Gary Works. 60-01359A
- Larson, David L.**
Method of casting steel and iron alloys with precision cristobalite concrete. 60-01439P
- Las, W. C.; and Stoebe, T. G.**
Effects of the equilibrium concentration of impurities on the reproducibility of thermoluminescence in MgO . 60-04316A
- Lasagni, C.; and Neri, G. P.**
Simplicity and economy in modern closed-cycle control equipment for ceramic-kiln stack emissions—Pb-F cleaner (Italian) Patent 40029 A/77. 60-02889A
- Laskov, William; and Morelock, Charles R.**
Method of making a shaped silicon carbide-silicon matrix composite and articles made thereby. 60-01816P
- Latapic, J. P.; and Delon, J. F.**
Rheological properties of clays. 60-02910A
- Latyev, L. N.; Shestakov, E. N.; and Chekhovskoi, V. Ya.**
Effect of the aperture of an optical system during measurement of the emissivity of condensed substances. 60-04146A
- Lau, C. K. See Tiku, S. K.**
- Laud, Kamliakar R. See Logothetis, E. M.**
- Laudan, H. See Mateika, Dieter**
- Lauer, Howard V., Jr. See Schreiber, Henry Dale**
- Laughlin, D. H.; and Wilmsen, C. W.**
Improved anodic oxide insulator for InP metal-insulated-semiconductor field-effect transistors. 60-05277A
- Laughlin, R. B.**
Optical absorption edge of SiO_2 . 60-03139A
- Laughlin, R. B.; Ioannopoulos, J. D.; and Chadi, D. J.**
Bulk electronic structure of SiO_2 . 60-03037A
- Laughlin, Sidney J.; and Claypool, Ralph J.**
Method and apparatus for producing fiber product. 60-03766P
- Laurent, V. See Lange, J.**
- Lauch, Herbert** See Reuter, Gerhard
- Lautebacher, E. See Hieber, K.**
- Laux, L.; and Schulz, G.**
Sodium-resistant glass cell [made] by coating with CaF_2 . 60-03670A
- Laux, Walter; Hebel, Rudolf; and Artelt, Peter**
Ceramic burner. 60-01480P
- Laux, Walter; Zettel, Martin; and Ambrosius, Erich**
Relief brickwork over an opening in a refractory brick wall. 60-02906P
- Lavelle, B. See Lingstuyt, O.**
- Lavender, J. C. See White, George D.**
- Lavigna, Robert J. See Chu, Tze Y.**
- Lavigna, Robert J.; and Reusser, Raymond E.**
Growing crystals from a melt by controlling additions of material thereto. 60-02737P
- Lavrinenko, I. P. See Gogishvili, O. Sh.**
- Lav, Hsiang-Yi David; Nakano, Kenichi; and Tomassetta, Louis R.**
III-V alloy heterostructure high speed avalanche photodiodes. 60-04019A
- Lawhorn, Clyde E.**
Brick assembly for use in metallurgical vessels. 60-05150P
- Lawhorne, Earl R.**
Use of ion exchange resins in preparation of high solid TiO_2 slurries. 60-040697P
- Lawler, John B.; Ross, R. H.; and Ruh, Edwin**
Nondestructive ultrasonic testing of fireclay refractories. 60-03898A
- Lawless, William N.**
Cryogenic ceramic and apparatus. 60-01803P
- Lawn, Brian R. See Anstis, G. R.; Chantikul, P.; Cook, R. F.; Marshall, D. B.**
- Lawn, Brian R.; Marshall, D. B.; and Chantikul, P.**
Indentation fracture—applications in the assessment of strength of ceramics. 60-02839A
- Laws, V.**
Derivation of the tensile stress-strain curve from bending data. 60-04298A
- Lay, L. A. See Barry, Thomas Ian**
- Layman, Ernest L. See Dunn, Ben R.**
- Lazarev, V. B. See Bazakutsa, V. A.; Kakhan, B. G.; Panasyuk, G. P.; Peresh, E. Yu.; Prosychev, I. I.**
- Lazarev, V. B.; Marenkin, S. F.; and Khuseinov, B. I.**
Glass [with I added for improved optical properties and increased strength]. 60-01234P
- Lazarova, M. See Hadgiev, P.**
- Lazay, Paul D.**
Method for monitoring optical fiber drawing. 60-01263P; See also Melliar-Smith, C. M.
- Lazorenko, V. N. See Gutman, V. I.**
- Lazov, Lyuben K. See Koychev, Todor Y.**
- Lazzarini, L.; Calogero, S.; and Burriesci, N.**
Chemical, mineralogical, and Moessbauer studies of Venetian and Paduan Renaissance sgraffito ceramics. 60-01660A
- Le Bell, Jean C.; and Stenius, Per**
Influence of cations on particle interactions and particle release from aqueous bentonite gels. 60-00609A
- Le Blanc, John**
General comments on surface cord. 60-02289A
- Le Bras, Bernard** See Lovichi, Jean-Pierre
- Le Doussal, H.**
Application of high-frequency microwaves to accelerate the setting of castable refractories. 60-00397A; Measurement of the toughness of refractory products. 60-00427A; See also Jacquemier, M.
- Le Doussal, H.; and Bisson, G.**
Influence of the micro- and macrostructure on the intrinsic characteristics of thermal insulation of insulating refractory materials. 60-03892A
- Le Page, Y.; Calvert, L. D.; and Gabe, E. J.**
Parameter variations in low quartz between 94 and 298 K. 60-03148A
- Le Sergeant, Christian; Liegeois, Michel; and Flourey, Yves**
Influence of purity of reactants on the attenuation of CVD-made doped silica optical fibers. 60-00185A
- Leah, George R.; and Pierce, Robert R.**
Single component potassium silicate cement for dry gunning. 60-00077P
- Leamy, Harry J. See Celler, George K.**
- Leamy, Harry J.; and Doherty, Charles J.**
Nucleation-controlled overgrowth of silicon on silica. 60-05661A
- Leary, David F.; Cooper, Roy G.; and Mierschin, Gary N.**
Manufacture of nuclear fuel compacts. 60-00613P
- Lebedev, V. V. See Rogozin, V. D.**
- Lebedeva, R. B. See Mazurin, O. V.**
- Lebenyi, Z.**
Hungarian company meets world market demand for raw materials. 60-02548A
- Leblud, C. See Anseau, M. R.**
- Leblud, C.; Anseau, M. R.; and Di Rupo, E.**
Reaction sintering of $\text{ZnO-Al}_2\text{O}_3$ mixture. 60-04410A
- Lechner, Bartl** See Herchenbach, Horst
- Lecoq, Andre; and Poullain, Marcel**
Fluoride glasses in the $\text{ZrF}_2\text{-BaF}_2\text{-YF}_3\text{-AlF}_3$ quaternary system. 60-01047A
- Ledac, Alain** See Bracon, Camille
- Ledder, Glenn W.; Pasco, Wayne D.; and Svec, Paul S.**
Alumina shell molds used for investment casting in directional solidification of eutectic superalloys. 60-02532P
- Lednyak, O. See Ostapenko, M. Ya.**
- Lee, Ezy-Jong; and Kim, Hwan**
Phase relations and microstructure of compounds in the system $\text{Si}_3\text{N}_4\text{-Al}_2\text{O}_3\text{-SiO}_2$ at 1700°C . 60-05669A
- Lee, Han-Sheng; and Feng, Chin-Hu**
High-electric-field-generated electron traps in oxide grown from polycrystalline silicon. 60-05622A
- Lee, J. B. See Coty, P. J.**
- Lee, Johnson; Singh, M. P.; and Zucker, J.**
Suppression of higher harmonic generations of SAW in LiNbO_3 . 60-02715A
- Lee, K. F. See Kamins, T. I.**
- Lee, K. H. See Summers, Geoffrey P.**
- Lee, K. S. See Magee, T. J.**
- Lee, Minyoung** See De Vries, Robert C.
- Lee, Minyoung; Szala, Lawrence E.; and De Vries, Robert C.**
Polycrystalline diamond body/silicon carbide substrate composite. 60-01826P; Polycrystalline diamond body/silicon nitride substrate composite. 60-01827P
- Lee, Sang H. See Suh, Nam P.**
- Legille, Edouard; and Heinz, Carlo**
Treatment and handling of metallurgical slag. 60-05185P
- Legrand, M.**
Fluidized bed heat exchanger. 60-04536A
- Legros, P. See Doussineau, Pierre**
- Legzdins, Peter** See Borda, Peter B.
- Lehner, Lois (Editor)**
Complete Book of American Kitchen and Dinner Wares. 60-03268B
- Lehovec, K. See Fedotowsky, A.**
- Leigh, Herbert D., III; and Lufcy, Glenn H.**
Bulk density determination of periclase aggregates by a new water method. 60-03869A
- Leineweber, L. See Fischer, K. H.**
- Leiser, Daniel B.; Smith, Marnell; and Goldstein, Howard E.**
Developments in fibrous refractory composite insulation. 60-00408A
- Leisure, Robert G. See Doussineau, Pierre**
- Leitner, G. See Hermel, Waldemar**
- Leja, E.; Pisarkiewicz, T.; and Kolodziej, A.**
Electrical properties of nonstoichiometric tin oxide films obtained by the dc reactive sputtering method. 60-01529A
- Lejus, Anne-Marie; and Michel, Daniel**
Effect of nonstoichiometry and disorder on the microhardness of $\text{ZrO}_2\text{-Ln}_2\text{O}_3$ solid solutions. 60-05606A
- Leko, V. K.**
Combined effect of impurities of alkali metal and Al oxides on the viscosity of vitreous silica. 60-04689A
- Lele, R. V. See Basu, M. K.**
- Leikova, A. I. See Bondarenko, A. G.**
- Lemaire, Henri** See Boeuf, Jean-Marie
- Lemmon, Robert G., Jr.; and Earnest, Melvin F.**
Cooling of edge stretching rollers for use in making flat glass. 60-00309P
- Lempa, Roman F.**
Combustion control saves fuel, products, and money. 60-01689A
- Leszczner, D.**
Creep in brickwork and blockwork in cavity walls and piers. 60-03832A
- Leskel, M. See Bansaghi, Z.; Udvardi, M.**
- Leuz, Arnold; Deneke, Klaus**
Leuz, Arnold; Krensborg, Gerhard; and Haase, Rainer
Granular quartz glass product. 60-02397P
- Leuzner, D.; and Ladwig, Udo**
Detection of alkali-silica reactions in concrete structures. 60-02099A
- Leonard, Ralph A.; and Linhart, Otto C.**
Method for enameling ferrous objects. 60-00097P
- Leonard, Robert E.**
Process for utilizing mineral-containing residue from coal liquefaction processes. 60-02218P
- Leonte, Cornelia** See Szep, Alexandru
- Lepkova, D. See Gencheva, G.**
- Lepoutre, P. See Alinec, B.**
- Leprer, I.; and Kolstedt, D. L.**
Effect of γ radiation on plastic flow of NaCl . 60-03066A
- Leroy, Dominique** See Ravaine, Denis
- Leruma, M.; Eidsvik, J.; and Sedmalis, U.**
Ceramic material [with Al nitride added for decreased sintering temperature and stabilized dielectric characteristics]. 60-01221P
- Leschenko, P. P.; Kalinina, O. N.; and Lykova, L. N.**
Niobates of strontium with the structure of tetragonal bronze. 60-03133A
- Leschinskii, D. A.; Evstishenkov, V. S.; and Klepikov, S. A.**
Synthetic grinding tools for polishing lead glass articles. 60-04800A
- Lesikar, Arnold V. See Ingram, M. D.; Moynihan, Cornelius T.**
- Lesikar, Arnold V.; and Moynihan, Cornelius T.**
Order parameter model of liquids and glasses with applications to dielectric relaxation. 60-03142A; Some relations connecting volume and enthalpy relaxation in the order parameter model of liquids and glasses. 60-03199A
- Lesikar, Arnold V.; Simmons, Catherine J.; and Moynihan, Cornelius T.**
Debye-Falkenhagen theory of electrical relaxation in glass. 60-01008A
- Lesnichaya, T. V.; Prisyazhnyi, V. D.; and Mirnyi, V. N.**
NMR spectroscopic study of supercooling of $\text{ZnCl}_2\text{-CO(NH}_2)_2$ [urea] glass-forming melt. 60-03614A
- Lessmann, Johanna**
Majolica from the factory of the Fontanas. 60-03321A
- Leswin, Willem J. See Van Oirschot, T. G. J.**
- Leung, W. C.-M. See Emberson, C. C.**
- Leupold, Hermann** See Eistner, Ingo
- Leusden, C. O. P.**
Study of the batch dryer with reversal of the air flow. 60-05415A
- Leuthard, Paul E.**
Porous ceramic dental filling insert. 60-01828P
- Leveque, Marcel; and Battigelli, Jean A.**
Suppression of pollution in mineral fiber manufacture. 60-01303P
- Leveque, Marcel; Battigelli, Jean A.; and Plantard, Dominique**
Stabilization of glass feed in fiberization by toration. 60-03810P
- Levenberg, V. A. See Galant, E. I.**
- Levene, Leon; and McClung, R. W.**
Glass container strengthening. 60-02291A
- Levenson, L. L. See Kleefeld, J.**
- Levenson, Milton; and Zebroski, Edwin L.**
Method for processing spent nuclear reactor fuel. 60-05399P
- Levert, J. M. See Gohy, C.**
- Levey, C. G. See Broer, M. M.**
- Levine, Stanley R. See Hodge, Philip E.**
- Levinstein, Hyman J.; and Wang, David N.**
Device fabrication by plasma etching. 60-04060P
- Levitskii, I. A.; Mozzilo, L. V.; and Terekhovich, G. A.**
Enamel [with a highly decorative cracked effect]. 60-00963P
- Levitskii, I. A.; and Petrusheva, Z. V.**
Glaze [with BaO and SO_3 added for increased cold resistance and decreased thermal expansion coefficient and production costs]. 60-01504P
- Levitskii, V. A. See Popov, S. G.**
- Levitz, P.; Bonnia, D.; and Calas, G.**
Two-parameter distribution analysis of Moessbauer spectra in noncrystalline solids using general inversion method. 60-03712A
- Levkovich, Yu. I. See Kitaev, G. A.**
- Levy, A. See Ball, D. A.**

- Lewis, David, III**
Comparison of critical ΔT_c values in thermal shock with the R parameter. 60-00776A; Fracture strength and mirror size in a commercial glass-ceramic. 60-02284A
- Lewis, David, III; and Becker, Paul F.**
Thermal shock behavior in Al_2O_3 -based composites. 60-00734A
- Lewis, Edward L.**
Terminating optical fiber cables. 60-03815P
- Lewis, Edward L.; and Syska, Jan R.**
Methods of terminating optical fiber cables. 60-03789P
- Lewis, Michael H.** See Karunaratne, B. S. B.
- Lewis, Ronald M.** See Lachman, Irwin M.
- Lezal, D.** See Chung, C. H.
- Li, Jia-zhi** See Luo, Jie-yao
- Li, Li-Shing; and Pabst, Reiner F.**
Subcritical crack growth in partially stabilized zirconia (PSZ). 60-01989A
- Li, Li-Shing; Weick, Juergen M.; and Pabst, Reiner F.**
Subcritical crack extension measurements with double-torsion specimens. 60-05711A
- Li, V. N.; Nemets, V. M.; and Petrov, A. A.**
Isotopic-spectral determination of carbon in silica. 60-05432A
- Li, Xiang-ling; and Guo, Zhu-kun**
Electrolytic deposition of sodium in β -alumina ceramics. 60-01891A
- Liang, E. C.** See Iwasa, Mikio
- Liang, W. W.** See McNallan, M. J.
- Liao, Paul Foo-Hung; Humphrey, L. M.; and Bloom, D. M.**
Determination of upper limits for spatial energy diffusion in ruby. 60-03056A
- Llaw, Jlin-Herny W.** See Glass, Howard L.
- Liberman, A. B.** See Bashkrov, Sh. Sh.
- Libardi, Enrico**
Seventeenth century Durante pottery. 60-02066A
- Licciardiello, D. C.**
Why do glassy materials possess energy gaps? 60-03717A
- Licht, Steven J.**
Simultaneous formation of garnet epilayer on a plurality of substrates. 60-05349P
- Liebert, Curt H.**
Tests of NASA ceramic thermal barrier coating for gas turbine engines. 60-01791A
- Lieb, Hans** See Fickentscher, Siegfried
- Lieber, W.**
Experience with a slag cement grinding plant with a pneumatic conveyor dryer. 60-02113A
- Liegels, Michel** See Le Sergeant, Christian
- Lepins, J.** See Bidermanis, L.
- Lieske, N.** See Hezel, R.
- Lifanov, I. P.**
Conveyor line developed for the production of 500 000 m² facing tiles. 60-03830A
- Likhomanova, N. A.; Nekrasova, S. P.; and Stochek, L. G.**
Corundum-graphite submersible nozzles for machines for the continuous casting of steel. 60-00404A
- Liljestrom, William P.** (Compiler)
Cedric Willson Symposium on Expansive Cements. [ACI Publication SP-64.] 60-03261B
- Lim, Charles T.** See Klovsky, Joseph R.
- Lim, John; and Haney, Ralph M.**
Zeolitic catalyst and method of producing it. 60-03023P
- Lin, Chien-Jung** See Maa, Jer-Shen
- Lin, Chinlon; Cohen, Leonard G.; and French, William G.**
Measuring dispersion in single-mode fibers in the 1.1–1.3 μ m spectral region—a pulse synchronization technique. 60-02310A
- Lin, I. J.; Zimmels, Y.; and Metzger, A.**
Upgrading glass sand by magnetic separation and flotation. 60-01719A
- Lin, Lawrence Y.; Gutsche, Henry W.; and Collier, James A.**
Method for off-orientation point rotation sawing of crystalline rod material. 60-01600P
- Lin, Lin-gun**
Equilibrium boundary of spinel \rightleftharpoons corundum + periclase—calibration curve for pressures above 100 kbars. 60-01896A
- Lin, P. L.; and Pelton, A. D.**
Structural model for binary silicate systems. 60-04430A
- Lin, Ruey Y.** See Economy, James
- Lin, Wen** See Dewees, Thomas J.
- Linares, Robert C.**
Growth of single crystal beryllium oxide. 60-01592P
- Linberg, Waldemar; Roth, Mario; and Siemensen, Hans P.**
Self-lightening clamp for the suspension of glass sheets. 60-02444P
- Lincoln, K.**
Flat glass decoration. 60-03510A; Handling and processing glass. 60-03544A
- Lind, M. A.** See Coyle, R. T.
- Lindenbiovius, R. H.** See Klomp, Jan T.
- Lindins, L.** See Sedmalis, G.
- Lindins, L.; Sedmalis, U.; and Eiduks, J.**
Sintering of ceramic body based on hydromica clays. 60-01321A
- Lindmayer, Joseph**
Yttrium oxide antireflective coating for solar cells. 60-02796P
- Lindroos, Runar I.**
Screw conveyor for feeding lime sludge or cement to a lime and cement kiln, respectively. 60-02221P
- Lindsey, K.; and Franks, A.**
Metal optics versus glass optics. 60-03605A
- Ling, James G.; and Hand, Mary Ann**
Federal funding in materials research. 60-03253A
- Ling, Zhi-da**
Ancient "Tian-Mu" (temoku) of our country [China]. 60-04495A
- Lingli, Hans, Jr.**
Coal firing with reference to product and kiln type. 60-05014A; Energy-conscious drying and firing. 60-02876A; Modern automated production of individual extruded tiles. 60-00385A; Top firing is economical and flexible, convertible to coal firing at any time. 60-05467A
- Lingstuyt, O.; Lavelle, B.; and Dabosi, F.**
Measurement of the mechanical properties of thin ceramic layers deposited on a metallic substrate. 60-00719A
- Linhart, Otto C.** See Leonard, Ralph A.
- Link, Joseph; Fontanella, John; and Andeen, Carl G.**
Temperature variation of the dielectric properties of bismuth germanate and bismuth germanium oxide. 60-05297A
- Linke, D.** See Felzt, Adalbert
- Linke, D.; and Eberhardt, G.**
Stress optical coefficients of chalcogenide glasses and their structural chemical interpretation. 60-03681A
- Lipatov, P. V.** See Dubrovina, I. N.
- Lippa, Giuseppe**
Mold for casting ceramic materials [toilet]. 60-03993P
- Lischke, Burkhard** See Anger, Klaus
- Lisci, Leonardo Glinori**
Continuing relations between the Doccia [factory] and the French porcelain factories. 60-03995A
- Lisenkov, A. A.** See Gaisinskii, G. Ya.
- Lisovskaya, L. V.** See Emyashev, A. V.
- Lissy, Gunter J.**
Quick color change capabilities with porcelain enamel powder. 60-04642A
- Litovitz, Theodore A.** See Macedo, Pedro B.
- Litovskii, E. Ya.**
Role of microfissures in the thermal conductivity of refractory materials. 60-01400A
- Litovskii, E. Ya.; Bondarenko, S. L.; and Polonskii, Yu. A.**
Effect of fiber diameter on the effective thermal conductivity of refractory fiber insulation. 60-03884A
- Littlehorn, John J., Jr.**
Apparatus for producing leaded glass articles. 60-04915P
- Litvin, Yu. N.** See Balkevich, V. L.
- Litvinov, L. A.** See Belaya, A. N.
- Litvinova, V. A.** See Cherkinskii, Yu. S.
- Liu, Chi-Sheng; Williams, Roy K.; and Weaver, Lelland A.**
Coaxial discharge sealed-off quartz laser tube. 60-01583P
- Liu, Hua-Kuang**
Triple-exposure holography for materials tests. 60-02862A
- Liu, Jui-Hsiang** See Maa, Jer-Shen
- Liu, L. M.** See Hwang, Huey-Liang
- Liu, Lin-Gun**
New high pressure phases of ZrO_2 and HfO_2 . 60-03132A
- Liu, Ming-Bian; Gruen, D. M.; and Krauss, Alan R.**
Ion nitriding of titanium and zirconium by a dc glow discharge method. 60-01914A
- Liu, Sie T.; Ngai, K. L.; and Teitler, S.**
Relations between thermal noise and the dielectric response of pyroelectric materials. 60-04039A
- Liverani, Giuseppe**
Reconstruction of the International Museum of Ceramics [in Faenza]. 60-03328A
- Liversidge, R. M.** See Murray, Maxwell John
- Llewellyn, David**
Screen printing and the glass industry. 60-03666A
- Lloyd, D. E.** See Williamson, J. P. H.
- Loadman, K. D.** See Shumaker, G. H.
- Lobanov, B. V.** See Ust'yanov, V. B.
- Locardi, B.; and Zambon, A.**
Possibility of using $Ca(OH)_2$ in the glass-forming mix. 60-01130A; Thermogravimetric and gas-chromatographic studies on the decomposition of raw materials and mix compositions of glass-forming components. 60-01186A
- Locher, Albrecht** See Knoll, Heinz
- Locher, J. W.; and Cocks, F. H.**
X-ray study of ionic carbide solid solubilities. 60-02015A
- Lockhart, N. C.**
Electrical properties and the surface characteristics and structure of clays: I, Swelling clays. 60-04320A; Electrical properties and the surface characteristics and structure of clays: II, Kaolinite—a nonswelling clay. 60-04321A
- Loebach, Ernst W.**
Method and device for the projection printing of a mask onto a semiconductor substrate. 60-00561P
- Loehman, Ronald E.**
Oxynitride glasses. 60-01121A
- Loehr, T. M.** See Error, Nicholas G.; Massey, G. A.
- Loeser, Harald; Schmidt, Gerhard; and Warzawa, Wolfgang**
Process for the coating of particles for the production of fuel and/or absorbing elements for nuclear reactors and apparatus therefor. 60-05404P
- Loewenstein, K. L.**
E-glass fiber industry—an unnecessarily restrictive technology? 60-03478A
- Loferski, J. J.** See Gorska, M.
- Logan, יוסף א.**
Oxide masking of gallium arsenide. 60-00590P; See also Tsang, Won-Tien
- Loginov, F. N.** See Gilev, I. S.
- Logothetis, E. M.; Land, Kamalakur R.; and Park, John K.**
Method for preparing rare earth or yttrium transition metal oxide thermistors. 60-01601P; Rare earth or yttrium, transition metal oxide thermistors. 60-01629P
- Loi, Eugene**
Dc conduction mechanism in tantalum chip capacitors. 60-02619A
- Lokken, Roger C.** See Visser, Robert G.
- Lombard, J.; and Moynahan, M.**
Inhibiting oxidation of tungsten at high temperatures. 60-02229A
- Lommer, Hermann** See Serbent, Harry
- Long, Steve; and McGuire, G. E.**
Boriding of chromium photomasks for increased abrasion resistance. 60-01732A
- Long, William G.** See Johnson, Thomas A.
- Longo, Vittorio; and Meriani, Sergio**
Solid state phase relations in the system $CaZrO_3$ - $SrZrO_3$ - $BaZrO_3$. 60-05700A
- Longo, Vittorio; Meriani, Sergio; and Ricciardiello, F.**
Subsolidus phase relations between 900 and 1700°C in the systems BeO - MgO - CaO , SrO - MgO - CaO , BaO - MgO - CaO , and BaO - CaO - CaO . 60-03209A
- Longo, Vittorio; and Podda, Liliana**
Phase equilibrium diagram of the system ceria-yttria for temperatures between 900 and 1700°C. 60-04385A
- Longo, Vittorio; Ricciardiello, F.; and Sbaizero, O.**
Sintering of alkaline-earth zirconates ($CaZrO_3$, $SrZrO_3$, $BaZrO_3$). 60-03193A
- Longo, Vittorio; Ricciardiello, F.; and Torrisano, G.**
Phase diagram of the system CeO_2 - CaO - SrO between 1700–900°C. 60-05667A; Phase diagram of the system CeO_2 - SrO - BaO between 1650 and 900°C. 60-01941A
- Longueville, Marc**
Modern clinker grinding plant. 60-00036A
- Longworth, J.** See Hatzinikolas, M.
- Loos, Alfred C.; Springer, George S.; and Sanders, Barbara A.**
Moisture absorption of polyester-E glass composites. 60-02962A
- Loosjes, R.**
Fifty years of technical development in the ceramic industry. 60-00851A
- Lopato, L. M.; and Shevchenko, A. V.**
High-refractory oxide systems. 60-04347A
- Lopez Carranza, E.** See Vega Lino, J.
- Lopez, L.** See Arizemendi, L.
- Loposzko, Miroslaw; Pawelczyk, M.; and Urbanska, M.**
Diffuse phase transitions in thick ferroelectric $Ba(Ti_{0.9}Sn_{0.1})O_3$ films of perovskite-type structure. 60-02623A
- Loposzko, Miroslaw; Surowiak, Zygmunt; and Opilski, Aleksander**
Influence of a sinusoidal electric field on the dielectric properties of $BaTiO_3$ films. 60-01538A
- Lorek, G.** See Cressy, G.
- Lorenzelli, R.** See Bayoglu, A. S.
- Loroesch, H. K.; Vay, J.; and Weigand, R.**
Fatigue strength of silicon nitride for high speed rolling bearings. 60-02948A
- Lou, L. F.**
Semiconducting properties of ZnO -grain-boundary- ZnO junctions in ceramic varistors. 60-02702A
- Loucka, William G.**
Brown ceramic colors. 60-01468A
- Loughlin, Bernard T.** See Sandman, Michael A.
- Lovalenti, Sam**
Detection of bird swing defects in glass containers. 60-02378P
- Love, G.; and Scott, V. D.**
Critical appraisal of some recent correction procedures for quantitative electron-probe microanalysis. 60-02834A
- Love, Walter F.**
Optical waveguide mode scrambler. 60-01286P
- Lovichi, Jean-Pierre; and Le Bras, Bernard**
Process and installations for transferring heat and their applications for the treatment of raw cement. 60-02216P
- Lovichi, Jean-Pierre; Le Bras, Bernard; and Guyot, Robert**
Method of preparing cement clinker from carboniferous shale. 60-03408P
- Lovuola, Victor J.**
Preventing noise in grounded thermocouple measurements. 60-04154A
- Low, Norman M. P.**
Cellular-structure glass formed with phlogopite-type mica powders and carbonate compounds. 60-03442A; Effects of temperature, pressure, and water on the preparation of glass-mica composite material. 60-01746A; Fabrication of cellular structure composite material from recycled soda-lime glass and phlogopite mica powders. 60-00160A; Formation of cellular structure glass with carbonate compounds and natural mica powders. 60-03520A
- Lowdermilk, W. H.; and Milam, D.**
Graded-index antireflection surfaces for high-power laser applications. 60-02294A
- Lowe, J. T.**
Projection for U.S. natural soda ash in world markets. 60-00248A
- Lowry, S. R.** See Mead, D. G.
- Loyd, Morris S.; and O'Neill, Michael S.**
Reinforced ceramic structure. 60-04262P
- Lozovskii, V. N.; and Konstantinova, G. S.**
Isothermal variant of the floating-solvent method. 60-01915A

- Lu, T.-H.**
Diffusion of iron-59 in amorphous germanium selenide GeSe₂. 60-03474A
- Lu, Xian-Sheng; Wu, Zhao-Jen; and Fu, Bao-Fang**
Determination of sodium oxide and potassium oxide in glass products and raw materials with ion-selective electrodes. 60-04700A
- Lubitz, Karl; Drew, Jeffrey M.; and Schuhmann, Werner P.**
Method and apparatus for inspection of ceramic parts for defects. 60-05322P
- Lucas, Jacques** See Poulain, Michel
- Lucovsky, Gerald** See Galeener, Frank L.
- Luders, Leszek M.**
Burning zone lengths and burner nozzle diameters in rotary kilns. 60-02077A; Design of planetary coolers. 60-02097A; Rotary coolers for dolomite, magnesite, and clay rotary kilns. 60-02185A; Simplified methods of determining fuel consumption and combustion temperatures in dolomite, magnesite, and clay rotary kilns. 60-02890A
- Ludwig, Gerhard** See Huhn, Hans-Joachim
- Ludwig, H. R.** See Christy, R. I.
- Ludwig, Udo** See Fruehauf, Peter; Lenzner, D.; Shebl, Farouk Ali
- Ludwig, Udo; and Singh, N. B.**
Effect of temperature and methyl cellulose on the hydration of gypsum β -hemihydrate. 60-00025A
- Ludwig, Udo; and Wolter, Albrecht**
Formation and stability of tricalcium silicate and alites. 60-00914A
- Luth, Roy C.** See Hale, Thomas E.
- Luty, Fritz** See Thormer, Klaus
- Lucy, Glenn H.** See Leigh, Herbert D., III
- Lugovskaya, E. K.** See Vershinina, K. I.
- Lugscheider, Erich; Reimann, Hartwig; and Qundakkers, Willem-Josef**
Boron-silicon binary system. 60-05568A
- Luijendijk, J. A.** See Khoo, G. D.
- Lukac, Matjaz** See Stepisnik, Janez
- Lukas, Walter** See Aignesberger, Alois
- Lukasiewicz, Kazimierz** See Stepien-Damm, Julia
- Lukasiewicz, Mariusz; and Kowalski, Zbigniew W.**
Topography of ion etched Corning 7059 glass. 60-03706A
- Lukienko, E. P.** See Chentemirov, M. G.
- Lukina, E. S.; Kiryukhina, L. P.; and Efimovskaya, T. V.**
Effect of the addition of ZrO₂, HfO₂, and MgO on the sintering, phase composition, and microstructure of ceramics made from Al-Y garnet. 60-00785A
- Lukstina, K. K.**
Glazes [with mechanical abrasion resistance]. 60-05250P
- Lum, Wing Y.** See Clawson, Arthur R.
- Lundberg, Lynn B.**
Silicon carbide-tungsten heat pipes for high-temperature service. 60-02529A
- Lundquist, Jerry R.** See Barlow, Malcolm
- Lundsgaard, C. B.** See Pentecost, Joseph L.
- Lunter, S. G.** See Gill, N. G.; Valters, A.; Zhmyreva, I. A.
- Lunter, S. G.; Mironov, A. N.; and Fedorov, Yu. K.**
Vibrational spectra of glasses in relation to nonradiative deactivation of rare-earth ions. 60-04904A
- Lunzer, Friedrich; and Keppelinger, Werner**
Preparation of crystalline cryolite. 60-00687P
- Luo, Jie-yao; Zhou, Xue-qin; and Li, Ji-zhi**
Thermal expansion behavior of cordierite-based glass-ceramics. 60-04894A
- Lupeiko, T. G.**
Thermodynamic investigation of equilibria in ternary reciprocal systems. 60-00844A
- Lupeiko, T. G.; Belyaev, I. N.; and Tarasov, N. I.**
Thermodynamic investigation of the systems Na,CsIF₆(Br₂)₂. 60-03235A
- Lussier, Roger J.** See Vaughan, David E. W.
- Lutsenko, V. P.** See Obraztsova, E. V.
- Lutz, Wolfgang** See Ritzmann, Attila
- Lyachenko, L. P.** See Kachapina, L. M.
- Lyamin, V. N.**
Improvement in equipment for dry process cement production. 60-04542A
- Lyashko, L. D.** See Nedil'ko, S. A.
- Lyasin, V. F.; and Lyasina, N. M.**
Surface decoration of glass articles. 60-01304P
- Lyasina, N. M.** See Lyasin, V. F.
- Lyasov, A. A.** See Zabevorota, N. S.
- Lyasov, A. A.; and Kozheurova, N. V.**
Phase diagram of the system Fe-Fe₂O₃-CaO. 60-05668A
- Lyke, Larry R.; and Byars, Joseph B.**
Isokinetic sampling of glass batch carryover. 60-04785A
- Lykova, L. N.** See Kovba, L. M.; Leshchenko, P. P.
- Lynch, Brian; and Partus, Fred P.**
Methods of and apparatus for heating a glass tube. 60-01278P
- Lynch, David W.; Olson, C. G.; and Peterman, Douglas Jay**
Optical properties of TiO₂ (0.64 $\leq x \leq 0.90$) from 0.1 to 30 eV. 60-03141A; 60-03140A
- Lyons, Ann**
Evaluating the burning characteristics of limestone and dolomite. 60-03358A
- Lysov, G. V.** See Tyurin, N. A.
- Lysyak, A. G.** See Pashchenko, A. A.
- Lytle, Farrell W.** See Sandstrom, Donald R.
- Lyubchev, L.; and Lyubcheva, M.**
Micromethod for determining Ti concentration in silicate materials. 60-00641A
- Lyubimov, V. K.** See Petrova, V. Z.
- Lyubomirskaya, N. N.**
Low-boron glazes for the rapid firing of ceramic tiles. 60-03966A
- Lyubshcheva, M.** See Lyubchev, L.
- Ma, D. S.; Danielson, P. S.; and Moynihan, Cornelius T.**
Bulk and impurity infrared absorption in 0.5As₂S₃-0.5GeS₂ glass. 60-00113A
- Ma, T. P.** See Pan, C. A.
- Ma, Jer-Shen; Lin, Chien-Jung; and Liu, Jui-Hsiang**
Backscattering analysis of the successive layer structures of titanium silicides. 60-01847A
- Maaloe, Sven; and Wylie, Peter J.**
Join grossularite-pyroxene at 30 kbars and its petrological significance. 60-01916A
- Maier, Curtis P.**
Additive composition for making dental materials. 60-00492P
- MacChesney, John B.** See Andrejco, Matthew J.; Jaeger, Raymond E.; Simpson, J. R.; Yan, Man F.
- MacChesney, John B.; and O'Connor, Paul B.**
Optical fiber fabrication and resulting product. 60-00360P
- Macchi, G.** See Germanino, G.
- Macedo, Pedro B.** See Gupta, Prabhat K.
- Macedo, Pedro B.; and Litovitz, Theodore A.**
Optical waveguide and method and compositions for producing it. 60-01284P; Strengthened glass structural member. 60-00378P
- Macedo, Pedro B.; Simmons, Joseph H.; and Litovitz, Theodore A.**
Fixation of radioactive materials in a glass matrix. 60-00612P
- Macfadyen, D. N.; Stanley, C. R.; and Wilkinson, C. D. W.**
Waisted-rib optical waveguides in GaAs. 60-02720A
- MacIsaac, Pio Hartinger**
Insulated glass vessel. 60-04948P
- Machida, Hisashi; and Yoshihara, Yoichiro**
Synthetic single crystal for alexandrite gem. 60-01634P
- MacInnes, D. A.; and Catlow, C. R. A.**
Specific heat anomaly in crystalline UO₂. 60-05388A
- Mackenzie, John D.** See Almeida, Rui M.; Baldwin, C. M.; Chung, C. H.
- Mackenzie, John D.; and Wakaki, J.**
Effects of ion exchange on the Young's modulus of glass. 60-01029A
- Mackenzie, K. J. D.**
Moessbauer study of the high temperature reactions of iron oxides with tricalcium aluminate. 60-00922A
- Mackenzie, K. J. D.; and Aldridge, L. P.**
Effect of reaction atmosphere on phase development in portland cement clinkers. 60-00909A
- Mackenzie, K. J. D.; and Ryan, M. J.**
Effects of electric fields on solid state reactions between oxides: III. Interdiffusion in polycrystalline magnesium and aluminum oxide pellets. 60-04315A
- Mackenzie, Kathy** See Hastings, I. J.
- Macmillan, N. H.** See Rickerby, D. G.
- Macoliz, Edward L.** See Jude, Oscar A.
- MacZura, George; Hellich, Raymond P.; and Rohr, Frank J.**
High purity mortar suitable for bonding refractory brick. 60-02544P
- Madan, Arun** See Ovshinsky, Stanford R.
- Madaras, Alexandru** See Stoicovici, Eugen
- Maddalena, Amedeo; and Roccaelli, Alvisio**
Shrinkage stress in asbestos-cement composites. 60-00044A
- Madhavan, Narayanan; and Freeman, Frank H.**
Barium aluminum silicate filler for uv curable composites. 60-02982P
- Madhukar, Anupam** See Nucho, Roger N.
- Madroero, A.**
Production of a new ceramic material—vitrographite. 60-01714A
- Madsen, I. C.**
X-ray diffraction data of MgAlPO₄—appendix. 60-05742A
- Maeda, M.** See Takei, H.
- Maeda, Mamoru** See Takagi, Mikio; Tanabe, Kaoru
- Maeda, Mitsuru** See Sugikawa, Susumu
- Maeda, Shigeru** See Hirohata, Yuko
- Maeda, Takehisa** See Shibasaki, Yasuo
- Maekawa, Hiroshi** See Sato, Ken
- Maekawa, Koichiro** See Oda, Isao
- Maekawa, Zenichiro** See Fujii, Tachi
- Maes, Herman E.; and Heyns, Guido L.**
Influence of a high-temperature hydrogen anneal on the memory characteristics of p-channel MNOS transistors. 60-02655A
- Maestrelli, G.** See Timossi, P.
- Magari, Saburo** See Kawabuchi, Katsuhiko
- Magdo, Ingrid E.; and Magdo, Steven**
Method for making a silicon mask. 60-04073P
- Magdo, Steven** See Magdo, Ingrid E.
- Magge, John S., Jr.** See Vaughan, David E. W.
- Magge, T. J.; Lee, K. S.; and Ormond, R.**
Annealing of damage and redistribution of Cr in boron-implanted Si₃N₄-capped GaAs. 60-02606A
- Maggetti, M.; and Galetti, G.**
Composition of Iron Age fine ceramics from Chatillon-sur-Glane (Kt. Fribourg, Switzerland) and the Hueneburg (Kr. Sigmaringen, W. Germany). 60-00009A
- Maggs, F. A. P.** See Capon, A.
- Magill, William C.** See Rubright, Kent A.
- Magrini, Kenneth H.; and Jones, Raymond B.**
Thermoplastic electrode ink for the manufacture of ceramic multilayer capacitor. 60-02794P
- Magruder, R. H., III** See Weeks, Robert A.
- Maguire, Edward A., Jr.** See Gentilman, Richard L.
- Maguire, Edward A., Jr.; and Gentilman, Richard L.**
Press forging small domes of spinel. 60-01777A
- Magyar, Erno**
Development of dryers in the Hungarian brick industry. 60-03835A
- Mahadevan, Sudha** See Giridhar, A.; Mohan, R.
- Mahan, M. K.; and Jha, B. L.**
Relaxation time and molar free energy of activation for some rare earth complexes of kaolinite. 60-00826A
- Mahan, M. K.; Jha, B. L.; and Chetal, A. R.**
Dielectric properties of Indian clay minerals—bentonite and pyrophyllite. 60-04300A
- Mahanta, P. C.** See Rahman, A.
- Maher, Galeb H.**
Ceramic capacitor and method for making it. 60-00454P; Ceramic capacitor having a dielectric of (Pb,Lu)(Zr,Ti)O₃ and BaTiO₃. 60-00534P
- Mahler, Jacques** See Molinier, Jacques
- Mahmoud, Mahmoud Yousef** See Omar, Ali Abdel-Aziz
- Mai, Y. W.; Andouin, R.; and Cottrell, R.**
Thermal degradation of polypropylene fibers in cement composites. 60-04572A
- Maier, Horst R.** See Keller, Hartmut
- Maier, Peter; Thiede, Dietrich; and Zschke, Juergen**
Energy process parameters of tunnel kilns for fine ceramics. 60-05459A
- Maier, Ralph D.; Scheuermann, Coulson M.; and Andrews, Charles W.**
Degradation of a two-layer thermal barrier coating under thermal cycling. 60-04204A; Degradation of a two-layer thermal barrier coating under thermal cycling—correction. 60-05507A
- Maier, Reinhold** See Chadda, Madan M.
- Maier, Siegfried**
Additive for dehumidifying plaster. 60-00052P
- Maillet, M.; Boving, H.; and Huttermann, H. E.**
Load-bearing capacities of TiC layers on steel and cemented carbides. 60-01762A
- Maire, Jacques; Fourre, Jacques; and Gervais, Jean P.**
Artificial graphite. 60-00456P
- Mailriot, Henri**
Method for bending glass sheets and apparatus therefor. 60-01257P
- Malby, B.; and Piret, J.**
Submerged nozzle erosion in continuous casting—development of new, more resistant nozzles. 60-01406A
- Majdic, Aleksander** See Routschka, Gerald; Schneider, Hartmut
- Majors, H. L.; and Olenchuk, D. L.**
Zoned mechanical gunning for improved ladle life and related energy savings—update. 60-01417A
- Majumdar, Arun K.; Hinkley, E. David; and Menzies, Robert T.**
Infrared transmission at the 3.39 μ m He-Ne laser wavelength in liquid-core quartz fibers. 60-04021A
- Majumdar, B. S.; and Burns, S. J.**
Crack tip dislocations in MgO. 60-04288A
- Makarenko, G. N.** See Zytkevich, D. P.
- Makarenko, N. A.** See Urusovskaya, L. N.
- Makarenkova, R. G.** See Borodai, F. Ya.
- Makarevich, Stanley R.** See Garbarino, Paul L.
- Makarov, N. I.**
Effective use of Mn-containing additives in the production of Portland cement. 60-04529A
- Makarov, V. N.** See Suvorov, S. A.
- Makarov, S. F.; and Andreev, P. A.**
Complexometric analysis of silicate glasses containing rare earths. 60-04690A
- Makarskaya, V. M.** See Kukharskaya, E. V.
- Makaya, G.**
Derivation of the dielectric loss formula (a theory of dielectric relaxation in glassy systems). 60-03470A
- Makedontseva, O. S.** See Abdrashitova, E. I.
- Makedontseva, O. S.; Pavlushkin, N. M.; and Artamonova, M. V.**
Effect of composition on the spectral properties of Cu in Li-Al phosphate glasses. 60-00139A
- Makheva, K. V.** See Vasil'ev, L. N.
- Makhova, M. F.** See Dzhibirits, D. D.
- Maki, Iwao**
Phase constitution of alite in Portland cement clinker from modern manufacturing processes. 60-00039A
- Makino, Yukio** See Iwamoto, Nobuya
- Makishima, Akio; Ohashi, Haruo; and Wakakura, Mutsuo**
Alkaline durability and structures of amorphous aluminosilicates containing ZrO₂ prepared by the chemical polymerization of metal alkoxides. 60-01843A
- Makishima, Akio; and Shimohira, Takajiro**
Alkaline durability of high elastic modulus aluminosilicate glasses containing Y₂O₃, La₂O₃, and TiO₂. 60-00100A
- Maklad, Mokhtar S.**
Method of fabricating large optical preforms. 60-01271P; See also Kao, Charles K.
- Maksimov, B. A.** See Merinov, B. V.
- Maksimov, B. A.; Hyukhuk, V. V.; and Belov, N. V.**
Crystal structure of orthogermanate, Na₂CoGeO₄. 60-03052A

- Maksimov, B. A.; Zhdanova, T. A.; and Voronkov, A. A.**
Crystal structure of $\text{Na}_2\text{YSc}(\text{Si}_2\text{O}_7)_2$. 60-05584A
- Maksimov, N. G.** See Ismailov, E. G.
- Maksimov, S. M.** See Panich, A. E.
- Maksimova, G. V.** See Denker, B. I.
- Maksimova, O. S.; Iglice, A.; and Freidenfelds, E.**
Properties of double-alkali Nb silicate glasses. 60-01139A
- Mala, J.; and Slama, I.**
Glass transition temperature of the calcium nitrate-potassium nitrate-water-system. 60-04761A
- Malacara-Hernandez, Z.; and Baumeister, Philip**
Refractive index of a tantalum pentoxide film. 60-00260A
- Malani, N.** See Ross, H. G.
- Malarme, L.**
Sodium carbonate industry [for glass production] in Europe. 60-00269A
- Malavasi, D.** See Canali, C.
- Malcolm, Bill; and Malcolm, Nancy**
Cone 10 in one hour. 60-00886A; New Zealand pot burner. 60-00895A
- Malcolm, Nancy** See Malcolm, Bill
- Mallets, E. B.** See Zoz, E. I.
- Malhotra, V. M.** See Quon, D. H. H.
- Malissa, H.** See Foroglou, Z.
- Mallick, Heinz; Jablonski, Werner; and Plum, Willi**
Method of treating radioactively contaminated solvent waste. 60-05402P
- Mallick, S.** See Groussion, R.
- Mallow, William A.**
Additive for improved performance of silicate cement. 60-00053P
- Malm, John G.**
Preparation and properties of AgUF_6 and AgUOF_3 . 60-03167A
- Malmberg, Bo; and Skarendahl, Ake**
Polymer and fiber reinforcement of concrete. 60-02173A
- Malmendier, Joseph W.** See Bonk, John A.
- Mal'tsev, V. T.; and Gol'tsov, Yu. I.**
Kinetic patterns in the liquid-phase sintering of ceramics. 60-04360A
- Malugani, Jean Pierre; and Robert, Guy**
Ionic conductivity in $\text{LiPO}_2\text{-LiX}$ ($\text{X} = \text{I}, \text{Br}, \text{Cl}$) glasses. 60-01071A; New lithium glass of high ionic conductivity. 60-04811A
- Malugani, Jean Pierre; Saïda, Abdelghani; and Wasniewski, Alain**
Ionic conduction of $\text{Ag}_2\text{S-As}_2\text{S}_3\text{-AgI}$ glasses. 60-03569A
- Mal'yavin, A. G.** See Valiev, K. Sh.
- Mal'yutin, M. R.** See Popov, A. A.
- Mamedov, T. S.** See Guro, G. M.
- Mammama, C. I. Z.** See Baranaukas, V.
- Mammel, W. L.** See Cohen, Leonard G.
- Mammone, J. F.** See Sharma, S. K.
- Man'ykin, P. S.** See Kashchev, I. D.
- Manankov, A. V.**
Mechanism of liquation in silicate systems. 60-05648A
- Manchanda, L.; Vasi, J.; and Bhattacharya, A. B.**
Hole traps in thermal silicon dioxide introduced by chlorine. 60-02296A
- Manchenko, Z. F.** See Ermolenko, N. N.
- Manchenko, Z. F.; Samulova, V. N.; and Shamkalovich, V. I.**
Synthesis and properties of glasses in Bi-containing systems for coating integrated circuits. 60-04888A
- Mancini, R.** See Clerici, C.
- Mandal, G.** See Patankar, Anil N.
- Mandal, S. S.** See Chattopadhyaya, D.
- Mandal, S. S.; and Sengupta, K.**
Moisture tester for scanning ceramic surfaces. 60-05434A
- Mandal, Upendra K.** See Singh, Vipin Kant
- Mande, C.** See Apte, M. Y.
- Manders, Lambertus W. J.** See Verdult, Josephus A.
- Mandfredi, M.** See Benci, S.
- Mangalaraj, D.; Radhakrishnan, M.; and Balasubramanian, C.**
Current-voltage characteristics of AlN films formed by rf glow discharge. 60-02617A
- Mangels, John A.**
Effect of rate-controlled nitriding and nitriding atmospheres on the formation of reaction-bonded Si_3N_4 . 60-04207A; Effect of silicon purity on the strength of reaction-bonded Si_3N_4 [RBSN]. 60-00783A
- Mangels, John A.; and Tenenhouse, Gerald J.**
Densification of reaction-bonded silicon nitride. 60-00704A
- Mangia, Alessandro**
Kaolinite interference in the determination of chrysotile asbestos by means of X-ray diffraction. 60-04359A
- Maniatis, Y.; Simopoulos, A.; and Kostikas, A.**
Moessbauer study of the effect of calcium content on iron oxide transformations in fired clays. 60-04372A
- Mank, V. V.** See Dem'yanova, L. E.
- Mann, Gaudur S.**
Diesel exhaust particulate traps. 60-04235P
- Mann, Wolfgang** See Krah, Karl
- Manngard, Magne** See Laasko, Vesa
- Manning, William H.** See Kreidl, Norbert J.
- Manning, William H.; and Diken, G. M.**
Practical approach to evaluating redox phenomena involved in the melting-fining of soda-lime glasses. 60-00244A
- Manshausen, Theodor; and Fritsch, Walter**
Kiln with overlying beds. 60-00667P
- Manmann, Manfred** See Endres, Robert
- Manson, Neil B.; and Sturge, M.**
Absence of a strong Jahn-Teller effect in the T_{2g} excited state of V^{3+} in MgO . 60-03025A
- Mansour, Naila A. L.**
Equilibrium relations in the system Cu-U-O . 60-05612A
- Mantegani, Enzo**
Insulation structure for kiln rollers and element for use therewith. 60-00666P; [Tunnel] kiln. 60-02908P
- Maple, T. J.**
Interchangeable glass joints. 60-03563A
- Marabini, A. M.; and Barbaro, M.**
Surface electrical properties of titanium oxide. 60-01991A
- Marcantonio, Arnold F.; and Dailey, Rodney E.**
Aqueous metal coordination compounds as protective coatings for glass. 60-01216P; 60-04918P
- Marcault, Jeannik**
Apparatus for depositing a uniform thickness layer of particulate material. 60-01210P
- Marcello, A.; and Pretti, S.**
Availability of raw materials for the glass industry in Sardinia. 60-00982A
- Marchal, G.**
Safety in solid fuel milling and storage plants. 60-00657A
- Marchand, Hubert** See Hoffmann, Ulrich
- Marchant, David D.; and Bates, J. Lambert**
Ceramic component for electrodes. 60-01579P
- Marchenko, V. I.** See Get'man, E. I.
- Marchev, P.** See Fekeldzhiev, G.
- Marchildon, E. K.; and Gauvin, W. H.**
Effect of accelerating deceleration and particle shape on single-particle drag coefficients in still air. 60-04145A
- Marcinkowski, S. A.; and Pensko, J.**
Measurement of radioactivity of by-products of the Polish power industry used for construction materials and concrete. 60-01668A
- Marcolia, P.** See Vacha, L.
- Marcolte, James** See Jude, Oscar A.
- Marcus, Leon; and Ahrens, Robert R.**
Chemical resistance of solid materials to concentrated phosphoric acid. 60-02941A
- Marcuse, D.** See Presby, H. M.
- Marenkin, S. F.** See Lazarev, V. B.
- Marien-Dugardin, Anne-M.**
Delf porcelain plates and their models. 60-03956A
- Maries, Alan; and Shreeve, Francesca M.**
Glass composition for water setting ion-polymer cements. 60-02205P
- Marino, J. J.**
Thermal design of refractory and insulating systems: II. Heat transfer through refractory-insulating systems. 60-02891A; Thermal design of refractory and insulating systems: III. Resistance graph use in optimum lining design. 60-02892A; Thermal design of refractory and insulating systems: IV. Relating resistance and environmental conditions to heat loss. 60-02893A; Thermal design of refractory and insulating systems: V. Thermal effect of roof and bottom of furnace. 60-02894A
- Marinov, M.; Chakurov, I.; and Petrov, I.**
Packing refractory material for the monolithic lining of steel-casting ladles. 60-05098A
- Marinov, M.; Vodenicharov, M.; and Kozhukharov, V.**
Phase equilibria and properties of glasses in the system $\text{TeO}_2\text{-MoO}_3\text{-V}_2\text{O}_5$. 60-00240A
- Markins, L. V.** See Gladush, V. M.
- Markis, Joanne H.; Clemens, Kevin; and Tomozawa, Minoru**
Effect of fluorine on the phase separation of $\text{Na}_2\text{O-SiO}_2$ glasses. 60-01025A
- Marotta, A.** See Branda, F.
- Marotta, Alberto; Burl, Alberto; and Branda, F.**
Nucleation in glass and differential thermal analysis. 60-03622A
- Marque, D.**
New energy-saving techniques applicable to the ceramic industry—ultra-rapid firing and heat pumps. 60-00655A
- Marr, J.** See Dixon, S.; Glasser, F. P.
- Marram, E. P.** See Webb, Robert Carroll
- Marriott, William H., Jr.** See Hanneken, Henry P.
- Marriott, William H., Jr.; and Imier, Vaughn R.**
Ceramic conveyor rolls with metal end caps clamped thereto. 60-02373P
- Marsaud, Serge G.** See Campbell, Donald E.
- Marsh, Brian** See Wright, Donald C.
- Marshall, A.**
Optimum use of refractories in electric arc furnaces and steel ladles. 60-01377A
- Marshall, D. B.** See Chantikul, P.; Lawn, Brian R.
- Marshall, D. B.; and Lawn, Brian R.**
Residual stresses in dynamic fatigue of abraded glass. 60-01152A
- Marson, Thomas F.**
Facing the energy dilemma—one company's approach. 60-02024A
- Martchek, K. J.** See Gregory, J. T.
- Martin, Bruce E.; Risiko, Joseph E.; and Acia, Howard L.**
Process for removing tungsten from cemented tungsten carbide. 60-03016P
- Martin, Eva** See Porz, Franz
- Martin, John E.; and Doherty, S. P.**
PNAF etchant for aluminum and silicon. 60-01615P
- Martin, Philippe** See Contre, Michel
- Martin, S. J.; Gunshor, R. L.; and Pierret, R. F.**
Zinc-oxide-on-silicon surface acoustic wave resonators. 60-02723A
- Martin-Rubi, J. A.** See Barba, M. F.
- Martino, Pier Carlo** See Giachello, Angelo
- Martinez, J. R.** See Mikami, H. M.
- Martinez, Emilio; and Yndurain, Felix J.**
Amorphous $\text{Si}_3\text{Ge}_{1-x}\text{O}_2$: I. Electronic structure. 60-03028A
- Martinoli, A.**
Use of "micronette" jet-mills in the ceramic industry. 60-02822A
- Martirosov, S. M.; Borisov, G. B.; and Savkin, A. F.**
Conveyor line for the production of relief facade tiles. 60-03831A
- Marton, E.** See Szendro, I.
- Martorana, D.**
Technology of manufacturing preformed ceramic fibers. 60-02530A
- Martrenchar, A.** See Bunsell, A. R.
- Martyn, Joanne K.** See Grot, Arnold S.
- Martynenko, A. N.** See Gaevskaya, L. A.
- Marumo, Fumiaki** See Ishizawa, Nobuo
- Marushina, Hiroya** See Kurihara, Junsaku
- Maruszak, M.** See Walentynowicz, E.
- Maruyama, Tsuneo** See Mine, Katsutoshi
- Marzocchi, Alfred**
Fibrous product of nonwoven glass fibers and method and apparatus for producing it. 60-00321P
- Marzocchi, Alfred; Roberts, Michael G.; and Bolen, Charles E.**
Asphalt-coated glass fibers. 60-02370P; 60-02371P; 60-02369P
- Masanori, Cho** See Matsumura, On
- Mase, Hiroshi; and Oda, Kenji**
Mathematical model of glass tank furnace with batch melting process. 60-00207A
- Maschenko, V. G.** See Bezmaternykh, L. N.
- Mashio, Tasuku** See Nishiyama, Hiroshi
- Mashkin, A. A.** See Berezhnoi, A. I.
- Maslenikov, G. N.; Gleybychev, A. I.; and Fomina, N. P.**
Ceramic pigments of the willemite series, based on NiO , MnO , and FeO . 60-01470A
- Maslov, G. N.** See Biryukov, M. N.
- Maslov, V. S.** See Erkin, L. I.
- Mason, Thomas O.** See Moyers, C. E.; Wu, Cheng Chiung
- Mason, Thomas O.; and Bowen, H. Kent**
Cation distribution and defect chemistry of iron-aluminate spinels. 60-03039A; Electronic conduction and thermopower of magnetite and iron-aluminate spinels. 60-04011A
- Masri, P.** See Harding, J. H.
- Massan, K.**
Rapidly quenched glasses. 60-01145A
- Massazza, Franco; and Costa, Umberto**
Aspects of the pozzolanic activity and properties of pozzolanic cements. 60-00906A
- Massazza, Franco; and Testolin, Mario**
Latest developments in the use of admixtures for cement and concrete. 60-02144A
- Massey, G. A.; Loehr, T. M.; and Willis, L. J.**
Raman and electrooptic properties of potassium titanate phosphate. 60-02694A
- Masso, Jon D.**
Enhanced bonding of silicon oxides and silver by intermediate coating of metal. 60-00319P
- Massot, J. N.** See Gagnaire, H.
- Masoud, E.** See Ryan, W.
- Master, Raj N.** See Herron, Lester Wynn
- Masters, Josepa I.; and Goldberg, Gershon M.**
Process of doping silver image in chalcogenide layer. 60-04994P
- Masuda, Yuichi** See Izawa, Tatsuo
- Masui, Akira**
Effect of operational conditions on the wear rate of refractories. 60-05073A; Lining life of ladle with sling masses. 60-05093A; Practical improvements on rotary nozzle plate life. 60-05102A
- Masyuchenko, L. I.** See Polushkin, V. I.
- Matelka, Dieter; and Laudan, H.**
Czocharalski growth of barium hexaaluminate single crystals. 60-01870A
- Matěj, Jiri; Kutzendorfer, Jaroslav; and Friedrich, Manfred**
Effect of direct current on the corrosion of tin oxide electrodes in lead glass melt. 60-03486A
- Mathieu, Alain**
High alumina refractory cement and a process for producing it. 60-00058P; Method of preparing a novel cement particularly suitable as a refractory cement. 60-03407P; Microporous [mold] material especially for use in the ceramic industry. 60-02601P; Refractory plaster. 60-03414P
- Matijević, Egon; and Visca, Mario**
Spherical titanium dioxide particles and process of manufacture. 60-01728P
- Matkovic, Boris; Carin, Vladimir; and Gacesa, Tes**
Influence of BaSO_4 on the formation and hydration properties of calcium silicates: I. Doped dicalcium silicates. 60-04544A
- Matousek, J.**
Evaporation of silicate glasses containing Na_2SO_3 . 60-01039A; Evaporation of silicate glasses containing sodium sulfate. 60-04741A
- Matskevich, S. L.** See Vorob'ev, Yu. P.
- Matsubara, Hiromi** See Nakano, Kikuo
- Matsubara, Kakuei** See Takagi, Toshinori
- Matsubara, Sunao** See Kuroda, Ekuyo

- Matsuda, Hideharu; Furukawa, Shigeo; and Kaminishi, Tokshi**
Personal monitoring using thermoluminescence dosimeter: VI, Judgement of abnormal value by glow curve. 60-05439A; Personal monitoring using thermoluminescence dosimeter: VII, Influence of degree of contact between element and heater on thermoluminescence measurement. 60-05440A
- Matsuda, Tosiaki** See Abe, Kazunobu
- Matsuda, Yasuhiro** See Katayama, Heita
- Matsu, Hironori; and Ito, Takashi**
Carbon-carbon composite material and method for its production. 60-00739P
- Matsu, Hiroshi** See Tanaka, Minoru
- Matsu, Hiroyuki; and Matzke, HJ.**
Carbon diffusion in UC; G_1 -60-05353A; Quenched-in defects in UC and UCN. 60-05383A
- Matsu, Hiroyuki; Tamaki, Masayoshi; and Nasu, Shoichi**
Electrical resistivities of the uranium carbides. 60-02635A
- Matsu, M.; Shiraki, Y.; and Katayama, Y.**
Polycrystalline-silicon thin-film transistors on glass. 60-05289A
- Matsu, Shinji; Mizuki, Sin'ya; and Yamato, Toshiya**
Reactive ion-beam etching of silicon carbide. 60-02971A
- Matsu, Yoshio; and Kawamura, Katsuyuki**
Instantaneous structure of an $MgSiO_3$ melt simulated by molecular dynamics. 60-03562A
- Matsumoto, Chujo** See Taguchi, Hideki
- Matsumoto, Osamu; Asakura, Tadashi; and Konuma, Mitsuharu**
Formation of hexagonal molybdenum diboride by means of plasma heating. 60-02950A
- Matsumoto, Satoru; Ishikawa, Yutaka; and Shirai, Yoshiaki**
Concentration dependence of the diffusion coefficient of boron in silicon. 60-01855A
- Matsumoto, Yoshifumi** See Hiraguchi, Keisuke
- Matsumura, H.; and Suganuma, Tsuneo**
Normalization of single-mode fibers having an arbitrary index profile. 60-01108A
- Matsumura, Masakio** See Hayama, Hiroshi
- Matsumura, Shunsuke**
Waste-heat boiler for lime rotary kiln with grate-type preheater. 60-04581A
- Matsumura, Takao** See Shohata, Nobuaki
- Matsuno, Yoshimi** See Yoshida, Tetsuro
- Matsu, Hideto**
Effect of porosity on the thermal conductivity of nuclear graphite. 60-05366A; Effect of residual strain on the thermal conductivity of nuclear graphite. 60-05367A
- Matsu, Seltaro**
Selective etching of Si relative to SiO_2 without undercutting by CBrF₃ plasma. 60-02701A
- Matsu, Yasushi** See Hattori, Yoshinori
- Matsuoka, M.; Ohno, T.; and Ichikawa, Y.**
Expansion of production lines at Nihon Cement Kamiso plant by modifying 1680-ton/day wet long kiln into 3600-ton/day DD [dual combustion and denitration] process precalciner kiln. 60-02110A
- Matsuoka, Michio** See Eda, Kazuo
- Matsushita, Shigeo** See Nomura, Hidenori
- Matsushita, Toru** See Shimada, Shiro
- Matsushita, Y.** See Yamamoto, K.
- Matsuyama, Iwao** See Jyomura, Shigeru
- Matzner, P. L.** See Farrow, R. L.
- Matthews, R. B.; and Davis, N. C.**
Fabrication of high-density homogeneous ThO_2 - UO_2 fuel pellets. 60-02801A
- Matthewson, M. J.; and Gorham, D. A.**
Oblique impact anomaly in high velocity liquid impact on glass. 60-00230A
- Mattox, Donald M.**
Coatings for fusion-reactor environments. 60-01740A
- Matumura, On; and Masanori, Cho**
Thermal emission spectra of coagulated small MgO crystals. 60-04452A
- Matsuoka, Kazumasa** See Kamiya, Kanichi; Sakka, Sumio
- Matsuoka, Kazumasa; and Sakka, Sumio**
Kinetic study of the crystallization of glass by differential scanning calorimetry. 60-04787A; Kinetic study on crystallization of glass by differential thermal analysis—criterion on application of Kissinger plot. 60-01074A
- Matsuoka, Kazumasa; Takayama, Satoshi; and Sakka, Sumio**
Electrical conductivities of mixed cation glasses. 60-01030A
- Matveichuk, G. S.** See Toropov, Yu. S.
- Matvienko, R. N.** See Semchenko, G. D.
- Matyasz, Jozsef; Kokeny, Bela; and Zsembery, Laszlo**
Process for preparing alumina being suitable for layer chromatography. 60-00645P
- Matyushkin, E. V.** See Venitskii, V. N.
- Matzen, Walter J.**
Apparatus for measuring semiconductor device resistance. 60-00529P
- Matzke, HJ.** See Bradbury, M. H.; Inoue, Taiichi; Matsui, Hiroyuki
- Matzke, HJ.; Inoue, Taiichi; and Warren, R.**
Surface energy of UO_2 as determined by Hertzian indentation. 60-05391A
- Maunay, M.** See Lange, J.
- Maurau, Jean-Claude** See Cabannes, Francois
- Maurer, Edward H.** See Thiel, Ronald A.
- Maurer, Robert D.**
Glass research for optical waveguides. 60-01054A
- Maurette, M.** See Dran, J. C.
- Mavromov, Sh.** See Khuseinov, B.
- Maxwell, Paul C.**
Materials—the hidden crisis. 60-00853A
- May, G. J.** See Tan, S. R.
- May, G. J.; Tan, S. R.; and Jones, I. W.**
Hot isostatic pressing of beta-alumina. 60-00803A
- Mayer, William N.**
Method of constructing layered glass display panels. 60-04076P
- Mayers, C. C.**
Computer control of the glass grinding process in crystal glass production. 60-03458A
- Mayne, P. W.**
Discussion of "Normalized deformation parameters for kaolin." by H. G. Poulos. 60-01876A
- Mazdiyasi, K. S.** See Hasselman, D. P. H.
- Mazdiyasi, K. S.; and Rah, Robert**
High/low modulus Si_3N_4 -BN composite for improved electrical and thermal shock behavior. 60-04214A
- Mazo, R. I.** See Belopol'skii, M. S.
- Mazumder, B.**
Potential of glass in harnessing solar energy. 60-00243A
- Mazur, Jeffrey A.**
Method and an external plating arrangement for sealing off the cold end of a refractory brick. 60-03931P
- Mazur, Jerry H.** See Krivanek, Ondrej L.
- Mazurenko, V. D.**
Relations between properties and some structural parameters of slag glasses. 60-04853A
- Mazurina, O. V. (Editor)**
Annealing of Glass-to-Metal Seals (Ozhig Spaez Stekla s Metallom). 60-05746B; See also Andreev, I. V.; Averb'yanov, V. I.; Klyuev, V. P.
- Mazurina, O. V.; Lebedeva, R. B.; and Startsev, Yu. K.**
Method for calculating stresses in glass-to-glass joints. 60-01094A
- Mazurkiewicz, Maria** See Nickel, Hubertus
- Mazza, G.** See Bendanti, F.
- Mazzali, P.; Fogliani, G.; and Orlandi, L.**
Effect of temperature and calcium and magnesium on fluorine release in ceramic tiles [during] firing. 60-05203A
- Mazzone, Jean-Pierre** See Dauguet, Jean-Claude
- McAlonan, Christopher G.** See Busch, Dieter M.
- McCann, Michael; and Barazani, Gail Coningsby (Editors)**
Proceedings of the SOEH Conference on Health Hazards in the Arts and Crafts. 60-02034B
- McCarthy, Gregory J.** See Pispin, John G.
- McCarthy, S. L.; and Lambe, John**
Thin-film electroluminescence in impurity-doped Al_2O_3 . 60-03237A
- McCartney, E. R.** See Anthony, R. G.
- McCauley, Ronald A.**
Float glass production: Pilkington vs PPG. 60-02281A
- McClary, Robert E.** See Kinkade, William A.
- McClung, R. W.** See Levene, Leon
- McCollister, Howard L.; and Boling, Norman L.**
Process of making glass articles having antireflective coatings and product. 60-04995P
- McComas, Charles C.; and Sokol, Larry S.**
Ceramic faced structures and methods for manufacture thereof. 60-05527P
- McConnell, B. J.**
Lead frits in the glass industry. 60-03586A
- McConnell, J. D. C.** See Wilson, Stephen John
- McCormick, Harold E.**
Titania-alumina-yttria piston ring facing. 60-03021P
- McCoy, L. G.** See Willis, Roger R.
- McCreight, Louis R.** See Fedarko, William
- McCuen, David B.** See Mohr, William C.
- McDaniel, Max P.; and Welch, Melvin B.**
Treatment of silica. 60-03022P
- McDonald, C. F.**
Role of the ceramic heat exchanger in energy and resource conservation. 60-02973A
- McDonald, Glenn; and Hendricks, Robert C.**
Some thermal stress problems in porcelain enamel-coated rods. 60-04647A
- McDonough, W. J.** See Rice, Roy W.
- McDonough, W. J.; Wu, C. M.; and Morgan, P. E. D.**
Internal phase changes in dense Si_3N_4 associated with high-temperature oxidation. 60-03112A
- McEntire, Bryan J.; and Virkar, Anil V.**
Sintering of beta-type alumina bodies using alpha-alumina encapsulation. 60-04265P
- McGill, William C.**
Method for producing R-plane single crystal alpha alumina. 60-00569P
- McGravy, C.** See Hughes, G. S.
- McGrew, Jay L.**
Energy conservation: I, Friend or foe? 60-02471A; Energy conservation: II, Where does the energy really go? 60-02472A
- McGuire, G. E.** See Long, Steve
- McGuire, Paula** See Shetty, Dinesh Kumar
- McHenry, Kelly D.** See Koepke, Barry G.
- McIntyre, G. J.; Moss, G.; and Barnea, Z.**
Anharmonic temperature factors of zinc selenide determined by X-ray diffraction from an extended-face crystal. 60-05556A
- McKee, James R., Sr.** See Byers, Stanley A.
- McKelvey, Harold E.**
Method and apparatus for curving glass sheets. 60-00340P
- McKenzie, D. R.; and Taylor, R. W.**
Platinum condensation on MgO grain boundaries. 60-04395A
- McKinnon, Neil A.** See Garvie, Ronald C.
- McLaren, J. R.** See Tan, S. R.
- McLeod, E. J.** See Stollar, S. C.
- McLeod, S. A.** See Mendelson, M. I.
- McMaster, Harold A.**
Gas jet pump, and apparatus using it. 60-00323P
- McMaster, Harold A.; and Nitschke, Norman C.**
Method and apparatus for forming tempered sheet glass with a pyrolytic film in a continuous process. 60-01253P
- McMillan, Larry D.** See Goldman, Jon C.
- McMillan, Peter W.** See Jones, R. W.
- McMillan, Peter W.; and Chlebik, A.**
Effect of hydroxyl ion content on the mechanical and other properties of soda-lime-silica glass. 60-00140A
- McNallan, M. J.; and Liming, W. W.**
Gaseous-transport-controlled chlorination of CoO in flowing oxygen-chlorine-argon mixtures at 1000 K. 60-04335A
- McNally, R. N.** See Bardhan, P.
- McPherson, R.**
Formation of thermally sprayed alumina coatings. 60-02951A; See also Gani, M. S. J.
- McPherson, R.; and Bailey, G. J.**
Composition of some Si - Al - O - N powders during plasma spheroidization. 60-04292A
- McVay, G. L.; and Pederson, L. R.**
Effect of gamma radiation on glass leaching. 60-02270A
- McWhinnie, Harold J.**
Ceramic glaze data bank. 60-01469A; Yellow glazes for cones 5-10. 60-00904A
- McWilliams, Gerald E.** See Clawson, Arthur R.
- McWilliams, Joseph A.**
Thermal insulation containing silica aerogel and alumina. 60-00476P
- Mead, D. G.**
Low temperature evaluation of carbon and oxygen contaminants in silicon. 60-02668A
- Mead, D. G.; and Lowry, S. J.**
Evaluation of carbon and oxygen content of silicon wafers using infrared absorption. 60-02639A
- Meakin, John D.** See Hall, Robert Burton
- Meakins, R. L.; Dickson, B. L.; and Kelly, J. C.**
Gamma ray analysis of K, U, and Th [in ceramics] for dose-rate estimation in thermoluminescent dating. 60-03313A
- Messell, James (Editor)**
Greentown Glass—the Indiana Tumbler & Goblet Company. 60-03278B
- Mecholsky, John J., Jr.**
Intergranular slow crack growth in MgF_2 . 60-05636A; See also Rice, Roy W.
- Mecholsky, John J., Jr.; and Drexhage, Martin G.**
Comparison of optical and fractographic measurements of residual stress in compressively clad glass rods—correction. 60-00123A
- Meckel, Lothar** See Gliemerth, Georg
- Medvedev, Z. M.** See Sokolov, A. D.
- Medrea, Cornel; and Medrea, Marinela Olivia**
Making deeply colored glass. 60-04797A
- Medrea, Marinela Olivia** See Medrea, Cornel
- Medvedev, M. N.** See Modebadze, O. E.
- Medvedskaya, A. A.** See Minakov, V. A.
- Meeks, Steven W.**
Effects of one-dimensional stress on several lead strontium zirconate titanate hydrophobic ceramics and on research grade (undoped) PZT. 60-04007A
- Megjes, J. E.** See Dumbaugh, William H., Jr.
- Mehan, R. L.; Trantina, Gerald G.; and Morelock, Charles H.**
Properties of a compliant ceramic layer. 60-04223A
- Mehandjiev, D.** See Zapryanova, A.
- Mehra, P. Kumar; and Persoff, P.**
Hydraulic cements from spent oil shale. 60-02130A
- Mehra, P. Kumar; Fritz, D.; and Polivka, M.**
Properties of alite cements. 60-00926A; Properties of alite cements—reply to comments. 60-00928A
- Meier, Spencer I.** See Rubright, Kent A.
- Mellier, Francois** See Blanc, Jean-Pierre
- Melissao, V. P. J.** See Kalliomaki, Martti S.
- Meiser, Michael D.** See Kula, T. M.
- Meiser, Michael D.; and Tressler, Richard E.**
Mechanical properties of a low density aluminous cement/perlite composite. 60-04549A
- Mejdahl, Vagn**
Thermoluminescence dating—beta-dose attenuation in quartz grains. 60-00899A
- Melamed, Avraham**
Method and means for the cooling of heat generating industrial operations. 60-02903P
- Meliksetyan, L. A.; and Aroyan, G. A.**
Glass [with a lower PbO content, same n magnitude, and additives for garnet, blue, and rose colors]. 60-04931P
- Mellis, G. P.** See Spierings, G. A. C. M.
- Melkonian, G. S.; and Shatryan, L. O.**
Glasses obtained from kanazites and conventional glassmelting charges. 60-01057A
- Melliar-Smith, C. M.; Lazay, Paul D.; and Pasteur, G. A.**
Index matching fluids for long wavelength (1.2-1.6 μm) fiber-optic applications. 60-02299A
- Melling, P. J.; and Duncan, J. F.**
Electrical conductivity and dielectric behavior of lead silicate glass. 60-04732A

- Mellors, Geoffrey W.; and Sheffield, Glenn W.
Manganese dioxide. 60-05319P
- Mel'nikhenko, N. A. See Obukhova, G. B.
Mel'nikov, A. M. See Duderov, Yu. G.
Mel'nikova, A. M. See Temkin, D. E.
Meloni, M.; and Uras, I.
Silica sand deposit of Sarcidano [Sardinia]. 60-01156A
- Meloy, Thomas P.
Particulate shape characterization. 60-02848A
- Melzer, Dieter; and Ostmann, Steffen
Embedding material from silicate raw materials for electrical heating conductors. 60-05206A
- Mendelson, M. J.; McLeod, S. A.; and Walker, B. H.
Life prediction of ceramic blade/metal disk turbine rotor. 60-00718A
- Mendrarita, Madan G.; and Graham, Henry C.
Strength and fracture toughness of oxidized reaction-bonded Si₃N₄. 60-04225A
- Mendrarita, Madan G.; Land, P. L.; and Ruh, Robert
Fractography of reaction-sintered Si₃N₄. 60-03089A
- Menetrier, Danielle; Jawed, Inam; and Sun, T. S.
Surface studies of hydrated β-C₂S. 60-02191A
- Meninik, E. K. See Bogodist, I. M.
Menzies, Robert T. See Majumdar, Arun K.
Mercea, Victor See Dobra, Adriana
Merchant, Stanley R. See Esper, Michael J.; Heiney, Elmer T., III
Mercier, Gil A. See St. John, Charles F.
Mercier, Henri A. See Hue, Bernard P. H.
Meredith, William N. E. See Ballard, Denis G. H.
Meriani, Sergio See Longo, Vittorio
Merinov, B. V.; Maksimov, B. A.; and Dem'yanets, L. N.
Crystal structure of the rare earth germanate Nd₂GeO₆. 60-01863A
- Merkin, J. H. See Hughes, G. S.
Merkulyaeva, T. I. See An'eva, G. V.
Meron, M. See Bar-Cohen, Y.
Merritt, James A.
Laser photochemical synthesis coating of optical fiber. 60-05332P; Laser photochemical synthesis of Si₃N₄. 60-05532P
- Merry, J. Bradford See Blair, Gerald E.
Mensch, Hans G.; Debenham, Colin H.; and Yasui, Robert K.
Automatic solar cell glassing machine and method. 60-03730P
- Meshdovski, I. K. See Volkov, D. P.
Mesropyan, N. V. See Saakyan, E. R.
Messier, Donald R.
Use of Ti to enhance wetting of reaction-bonded Si₃N₄ by Si₃N₄. 60-00735A
- Messler, Donald R.; Schioler, Liselotte J.; and Quinn, George D.
Fracture behavior and strength of reaction-bonded Si₃N₄ turbine shrouds. 60-05111A
- Messing, Gary L.; and Onoda, George Y., Jr.
Sintering of inhomogeneous binary powder mixtures. 60-05698A
- Metras, J. C. See Swain, Michael V.
Metras, J. C.; and Champommier, F.
Determination of the K₁/V diagram for soda-lime glass. 60-00132A
- Metseelaar, R. See Van der Straten, P. J. M.
Metzer, A. See Lin, I. J.
Metzl, Robert See Berkman, Samuel
Meunier, Francois C. See Hutchins, Terence N.
Meunier, H. See Petropoulos, J.
Meyer, John H. See Gray, Dorian R.
Meyer, K.
Use of heat pumps or alternative techniques in the heavy clay industry. 60-01324A
- Meyer, Robert See Jouve, Hubert
Meyer, Robert Jay See Duke, Charles B.
Meyer, Stephen Frederick; and Hsieh, E. J.
Characteristics of thick nonplanar SiO₂ coatings. 60-01735A
- Meyers, C. E.; Mason, Thomas O.; and Petuskey, William T.
Phase equilibria in the system Fe-Al-O. 60-00814A
- Meyers, F. D. See Glaser, H. I.
Mezinskis, G. See Sedmalis, U.
Mgebrishvili, L. G. See Modabazde, O. E.
Miale, Joseph N. See Chen, Nai Y.
Michael, G. P. See White, D.
Michalek, Jan K.
Method and apparatus for collecting mineral fibers. 60-03762P
- Michalko, Edward
Method of preparing spheroidal alumina particles. 60-03007P
- Michalske, Terry A. See Frechette, Van Derck
Michalske, Terry A.; and Frechette, Van Derck
Dynamic effects of liquids on crack growth leading to catastrophic failure in glass—correction. 60-03477A; Dynamic effects of liquids on crack growth leading to catastrophic failure in glass. 60-00136A
- Michel, Daniel See Lejus, Anne-Marie
Mickelic, Raymond J. See Claassen, George R.
Middeldorf, Ulrich
Medallions struck on terracotta clays and other odd materials. 60-03969A
- Middione, Roberto
Importation of the Valencian "Azulejos" ceramic wares into Naples during the reign of Alfonso the Magnanimous. 60-02060A
- Miecke, Eckehard See Unger, Klaus-Dieter
Miedaner, Patrick M.
High temperature mineral fiber binder. 60-01436P
- Mields, Reinhard; Schroeder, Werner; and Koehler, Peter
Influence of the glassy phase on the properties of fused cast zircon-cordum refractories. 60-05091A
- Miertschin, Gary N. See Leary, David F.
Mieville, Rodney L.
Reforming catalyst comprising iridium, zirconia, and alumina. 60-01836P
- Mihaly, Vadasz See Gallyas, Miklos
Mikac-Dadie, V. See Jednacak-Biscan, J.
Mikami, H. M.; and Martinet, J. R.
Carbon-magnesia bricks in electric arc furnaces. 60-02509A
- Mikami, Yoshihito See Goto, Kanji
Mikhaili, R. Sh. See Hanafi, Said
Mikhailenko, N. Yu.; Pavlushkin, N. M.; and Sarkisov, P. D.
Distribution of Ni ions in the structure of phase-separated F-containing glasses. 60-01017A
- Mikhailov, B. A. See Efimov, A. M.
Mikhailov, G. G. See Zabevorota, N. S.
Mikhailov, M. D. See Apykhtin, N. N.; Dunaev, A. A.
Mikhailov, M. D.; and Tver'yanovich, A. S.
Glass formation in the system As-Te. 60-04757A
- Mikhailov, Yu. Ya. See Pokrovskii, B. I.
Mikhailova, K. A. See Usatkov, I. F.
Mikhailova, N. A.; and Vinnikova, I. S.
Sintering and electrophysical properties of materials in the system CaTiO₃-CaTiSiO₆. 60-04420A
- Mikhashchuk, E. P. See Karpins, D. M.
Mikkelsen, J. C., Jr. See Galeener, Frank L.
Mikkelsen, J. C., Jr.; and Galeener, Frank L.
Steam thermal SiO₂—preparation and Raman characterization of free-standing films. 60-02338A
- Milam, D. See Lowdermilk, W. H.
Milashevskii, I. I. See Subbotin, D. M.
Milberg, Morton E. See Shinozaki, Samuel S.
Milevskaya, R. N. See Rzhetskaya, T. L.
Milholen, William F.; and Gilliland, Hall
Brick handling apparatus. 60-02503P
- Miller, Anton J.
Adjusting the frequency of piezoelectric crystal devices via fracturing the crystal surface. 60-00527P
- Miller, John H. See Boen, Howard E.
Miller, John R. See Barkat, Aaron
Miller, R. E. See Raghavan, R.
Miller, Robert A. See Hodge, Philip E.
Miller, Stewart E.
Method of fabricating optical fibers. 60-01272P
- Miller, Thomas J. See Jaeger, Raymond E.
Millon, Francis See Urbain, Georges
Millot, C.; and Barbery, G.
Occurrence and treatment of raw materials for the glass industry in France. State-of-the-art and prospects. 60-01112A
- Millot, F.; and Gerdanian, P.
Measurement of thermo- and electrotransport in fluorite oxides. 60-05375A
- Mills, Alfred L. See Batey, William
Mills, H.
Use of natural and synthetic soda ash in soda-lime glass batches. 60-01196A
- Mills, J. J. See Westwood, A. R. C.
Mills, Peter S. See Kellet, William H.
Milonich, S. K.; Razin, V. L.; and Frolov, Yu. G.
Coagulation of colloidal silica with electrolytes. 60-05575A
- Milostavskii, A. G. See Arkharov, V. I.
Milova, G. D. See Bazuev, G. V.
Milovanov, A. P. See Zhabrev, V. A.
Mims, William B.; Peterson, George Earl; and Kurkjian, Charles R.
Pulsed EPR studies of copper in some binary oxide glasses. 60-03647A
- Mimura, Yoshinori; Okamura, Yasuyuki; and Komazawa, Yoshihisa
Growth of fiber crystals for infrared optical waveguides. 60-00175A
- Minakov, V. A. See Min'ko, N. I.
Minakov, V. A.; Medyanakaya, A. A.; and Vasyutin, I. N.
Glass [with a Cu oxide decorative surface coating]. 60-01237P
- Minami, Kiyoshi See Yokomizo, Yuji
Minami, Tsutomu See Tatsumigao, Masahiro
Minami, Tsutomu; Imazawa, Kazuhiro; and Tanaka, Masami
Infrared spectra of superionic conducting glasses in the system AgI-Ag₂O-GeO₂. 60-00187A
- Minami, Tsutomu; and Tanaka, Masami
Formation region and high ionic conductivity of glasses in the systems AgX-Ag₂O-P₂O₅ (X=I, Br, Cl). 60-03521A; Structure and ionic transport of superionic conducting glasses in the system AgI-Ag₂O-MoO₃. 60-00281A
- Minamibuchi, Yoshikazu See Hamamoto, Fujio
Minato, Ichiro See Ishizawa, Nobuo
Minchenko, V. V. See Kruglitskii, N. N.
Mindess, Sidney See Nadeau, John S.
Mine, Katsutoshi; Maruyama, Tsunao; and Takeshita, Kazuhiko
Siloxane compositions which can be ceramified at high temperatures. 60-05550P; Siloxane compositions which form ceramics at high temperatures. 60-05551P
- Minegishi, Masatoshi See Baba, Toshiyuki
- Minjolle, Louis
Method of manufacturing a ceramic unit for indirect heat exchange and a heat exchanger unit obtained thereby. 60-05173P
- Min'ko, N. I.; Minakov, V. A.; and Kirichok, P. P.
Structural state of Fe in glasses of the system CaO-Al₂O₃-SiO₂. 60-02340A
- Minnick, L. John; Webster, William C.; and Smith, Charles L.
Method of making shot from molten siliceous-aluminous composition. 60-03781P
- Mino, Yutaka; and Tsang, Katherine R. (Editors)
Freedom of Clay and Brush through Seven Centuries in Northern China: Tz'u-chou Type Wares, 960-1600 A.D. 60-03274B
- Minor, D. B. See Cava, R. J.
Miranday, J.-P.; Jacoboni, C.; and De Pape, R.
New glasses formed by fluorides of transition elements. 60-03621A
- Mirkin, M. I. See Laskarev, A. A.
Mirnyi, V. N. See Lesnichaya, T. V.
Miron, C. See Garlea, I.
Mironov, A. N. See Gill, N. G.; Lunter, S. G.
Mironov, I. M.
Determination of the thermodynamic characteristics of the glass phase of porcelain. 60-05199A
- Mironov, S. A.; Kurbatova, I. I.; and Vysotskii, S. A.
Kinetics of hydration of slag Portland cement during heat treatment. 60-03368A
- Mironova, L. V. See Gershinskii, A. E.
Mironova, M. L. See Bondarenko, A. G.
Miroshchenko, O. Ya.; and Mombelli, V. V.
Infrared absorption spectra of the metaphosphates of the alkaline earth metals. 60-04353A
- Mirskikh, L. K. See Varshal, B. G.
Misawa, Yutaka; and Yagi, Hideyuki
Electrical and mechanical properties of silicon nitride films deposited by the SiCl₄-NH₃ reaction. 60-02633A
- Mishchenko, S. F. See Kruglitskii, N. N.
Mishel, V. E. See Ushakov, D. F.
Mishima, M. See Morimoto, S.; Suzuki, J.
Mishin, V. M. See Gusev, S. A.
Mishra, R. B. See Deshpande, L. V.
Mishra, Raja K. See Goo, Edward K. W.
Misra, Sushil K. See Bacquet, Gerard
Misumi, Akira See Kawamura, Hiromitsu
Mitachi, Seiko See Shibata, Shuichi
Mitchell, Harry R.; and Rice, Hal H.
Ceramic insulated engine pistons. 60-02987P
- Mitchell, T. E. See Ogburn, L. U.; Phillips, D. S.
Mitev, T. See Becheva, D.; Bogdanov, B.
Mitev, T.; Dimova, T.; and Bozadzhiev, L.
Possibility of obtaining high-density ferrosilicate ceramics. 60-00515A
- Mitomo, Mamoru See Ii, Nobuo; Inoue, Zenzaburo
Mitomo, Mamoru; Kuramoto, Nobuyuki; and Inomata, Yoshizo
Fabrication of high strength β-sialon by reaction sintering. 60-01898A
- Mitomo, Mamoru; and Setaka, Nobuo
Consolidation of Si₃N₄ by shock compression. 60-04286A
- Mitomo, Mamoru; Tanaka, Hirokichi; and Muramatsu, K.
Strength of α-sialon ceramics. 60-01790A
- Mitomo, Mamoru; and Uemura, Yoichiro
Electrical conductivity of α-sialon ceramics. 60-04318A
- Mitra, H. K.
Is there an energy crisis? 60-00648A
- Mitra, N. K.; Das Poddar, P. K.; and Ghatak, Sankar
Effect of heat treatment on the leaching characteristics of TiO₂ substituted MgO-Al₂O₃-SiO₂ glasses. 60-01027A
- Mitra, N. K.; Das Poddar, P. K.; and Naha, D.
Thixotropic study in bentonite suspension in relation to exchangeable cations. 60-01494A
- Mitra, N. K.; Ghatak, Sankar; and Mitra, S.
Kinetics of dehydration of synthetic zeolites in alkali metal forms. 60-05514A
- Mitra, S. See Mitra, N. K.
Mitsishvili, M. N. (Editor)
Production of Glazed Ceramics during Medieval Ages (9th-13th Centuries) of Tbilisi (Proizvodstvo Polivnoi Keramiki v Srednevekovom Tbilisi IX-XIII vv). 60-03288B
- Mitsuhashi, Hiroji See Igasaki, Yasuhiro
Mitsunaga, Yutaka See Katsuyama, Yutaka
Mitsuyu, Tsunao See Ono, Shusuke
Mitsuyu, Tsunao; Ono, Shusuke; and Wasa, K.
Structures and SAW properties of rf-sputtered single-crystal films of ZnO on sapphire. 60-02714A
- Mitsuyuk, B. M.
Pressure effect on the transformation of metastable phases of silica into quartz in water and HCl solutions at 200°C. 60-03170A
- Mitra, S. K.; Ghosh, B. N.; and Rao, B.
Development of chemically bonded silica brick from silica waste. 60-05067A
- Mituzas, J.; Vektaris, B.; and Kaminkas, A.
Raw material mixture for producing white cement clinker. 60-04594P
- Miura, Masahiko; Sato, Tuiyos; and Murata, Hiromu
Lattice dynamics of wurtzite-type crystals [BeO] including the effect of the electronic extension. 60-03118A
- Miura, Takeshi See Kurino, Hiroyuki
Miura, Yoshinari See Takahashi, Katsuki

- Miura, Yoshinari; and Takahashi, Katsuaki
Electrode reactions of various electric conductive materials in some molten glasses. 60-00150A
- Miwa, Naoto; Ouki, Masami; and Tanaka, Katsuhiko
Sintered body of zirconia for oxygen concentration sensor. 60-00603P
- Mixon, Robert B., Jr.
Kaolin clay processing. 60-02917P
- Miyade, Elmel See Adachi, S.; Izumitani, Tetsuo
- Miyagawa, Soji See Ato, Yasuro
- Miyagawa, Yoshiko See Ato, Yasuro
- Miyake, K. See Miyata, Naoyuki
- Miyake, Masanobu; Hirooka, Y.; and Imoto, R.
Chemical vapor deposition of niobium on graphite. 60-01738A
- Miyake, Michihiko; Morikawa, Hideki; and Iwai, Shinichi
Structure reinvestigation of the high temperature form of K_2SO_4 . 60-05709A
- Miyashita, Masahisa; and Kitadate, Koji
Effect of the coating material for saving energy and its application. 60-05075A
- Miyasaka, Isamu See Miyasaka, Susumu
- Miyasaka, Susumu; and Miyasaka, Isamu
Glass-tube fuse. 60-01244P
- Miyashita, Meiji; Takano, Katsuyoshi; and Toda, Takafumi
Preparation and properties of PZT ceramics with ladder-type structure. 60-04036A
- Miyata, N.
Electrical properties of a phase-separated sodium borosilicate glass. 60-04735A
- Miyata, Naoyuki; Miyake, K.; and Yamaguchi, Yoshihiro
Cadmium-tin-oxide films deposited by dc reactive sputtering from a Cd-Sn alloy target. 60-02611A
- Miyata, Noboru; and Jinno, Hiroshi
Use of Vickers indentation method for evaluation of fracture toughness of phase-separated glasses. 60-02929A
- Miyata, Tsutomu See Ishizawa, Nobuo
- Miyachi, Katsuki; Kudo, Tetsuchi; and Suganuma, Tsuneo
High ionic conductivity of Na- β -Ga $_2$ O $_3$ thin film. 60-05276A
- Miyayama, Masaru; Terada, Hiroya; and Yanagida, Hiroaki
Stabilization of β -Bi $_2$ O $_3$ by Sb $_2$ O $_3$ doping. 60-01981A
- Miyazaki, Kenji; Hagio, Toshiyoshi; and Kobayashi, Kazuo
Graphite and boron carbide composites made by hot-pressing. 60-04212A
- Miyazaki, Yasumitsu See Taki, Kazunari
- Miyazawa, Yasuo See Tsukioka, Masayuki
- Miyoshi, Kazuhisa; and Buckley, Donald H.
Friction and wear of single crystal manganese-zinc ferrite. 60-03299A; Generation and morphology of single crystal silicon carbide wear particles under adhesive conditions. 60-03300A
- Miyoshi, Tadahiko; and Yamazaki, Takeo
Oxygen sensor ceramic and process for preparing it. 60-04083P
- Mizubashi, M.
Electrical properties of SnO $_2$ films on various glass substrates. 60-00147A
- Mizuide, Masahiro See Azuma, Yasuo
- Mizushima, Kenichi; Chinone, Naoki; and Sato, Hitoshi
Effect of sputtered-SiO $_2$ facet coating films on the suppression of self-sustained pulsations in the output of (GaAl)As double-heterostructure lasers during cw operation. 60-02272A
- Mizuki, Sin'ya See Matsui, Shinji
- Mizuno, Hideaki; and Terawaki, Susumu
Cermet type magnetic material. 60-00536P
- Mizuno, Masao; Yamada, Toyonaki; and Noguchi, Tetsuo
Phase diagram of the system Al $_2$ O $_3$ -Dy $_2$ O $_3$ at high temperatures. 60-05665A; Phase diagram of the system Al $_2$ O $_3$ -Eu $_2$ O $_3$ at high temperatures. 60-05666A
- Mizushima, Eiji See Ohmoto, Nobuyoshi
- Mizutani, Fumio See Iriyama, Keiji
- Mizutani, Yukio; Watanabe, Yoshiaki; and Taga, Genji
Production of calcium silicate having high specific bulk volume and calcium silicate-gypsum composite. 60-00693P
- Mochel, Peggy; Allison, Craig; and Williams, Wendell S.
Study of titanium carbide precipitates in titanium diboride by electron energy loss spectroscopy. 60-04436A
- Mochizuki, T.; and Kashiwagi, M.
Characterization of thin film molybdenum silicide oxide. 60-00500A
- Mock, John A.
Solving heat problems with organic coatings. 60-00959A
- Modebadze, O. E.; Brodzeli, M. I.; and Medvedev, M. N.
Glass with an oxide film on the surface. 60-00497P
- Modebadze, O. E.; Brodzeli, M. I.; and Mgebrishvili, L. G.
Glass [with Mn $_2$ O $_3$ added to ensure chemical resistance]. 60-01235P
- Moeller, R. P. See Bulmer, C. H.; Burns, W. K.
- Moergenthaler, K. D.; Krohn, U.; and Elssner, Gerhard
Preparation and testing of solid-state bonded ceramic-metal joints. 60-04037A
- Mogab, Cyril J. See Hartman, Robert L.
- Mogileva, V. V. See Shult's, M. M.
- Mohamed, A. A. See Abou-Saif, E. A.
- Mohammad, Sohail; Arshad, Ali Naqvi; and Rashad, Hasan
Reaction of barite with soda ash in aqueous medium. 60-04408A
- Mohammadi, F. See Rouse, J.
- Mohammed, G. See Steckl, A. J.
- Mohammed, M. Hamdi A.; Agarwal, Dwarka P.; and Ingersoll, Clyde E.
Nonprecious ceramic alloy. 60-02602P
- Mohan, Ashok; Sani, N. C.; and Jain, Vinod K.
Sintering mechanism diagrams. 60-03192A
- Mohana, Ashok; Sani, N. C.; and Moorthy, V. K.
Refinements in determination of sintering mechanisms. 60-05687A; Transition in stages of sintering. 60-03241A
- Mohan, K.; Mahadevan, Sudha; and Rao, K. J.
Electrical transport studies in As-Se glasses. 60-03496A
- Mohanty, P. N.; Singh, G. D.; and Singh, P. N.
Recent refractory use trends in the glass industry. 60-04844A
- Mohr, Robert K. See Simmons, Joseph H.
- Mohr, Robert K.; El-Bayoumi, Osama H.; and Ingel, Robert P.
Static fatigue in glass optical fibers having surface compression. 60-00273A
- Mohr, Robert K.; El-Bayoumi, Osama H.; and Lagakos, Nicholas
Compressive strengthening of optical fibers by a porous glass process. 60-00124A
- Mohr, William C.; Danworth, Bruce E.; and McCuen, David III.
Cordierite slabs. 60-01339A
- Mohr, William C.; and Kos, Gary A.
Process controls in pressing of light refractories. 60-01385A
- Mohr, William C.; and Morris, Michael W.
Plastic pressing of cordierite saggars. 60-01382A
- Mohri, Y.; and Nakashima, R.
Influences of minute components on the melting of alkali-resistant glass containing larger amounts of ZrO $_2$. 60-00186A
- Moiseev, V. V. See Ershova, T. T.; Zhavrev, V. A.
- Molitra, Santanu; and Rosskopf, Philip A.
Nonplastic hydraulic cement mixes and process for improving such mixes. 60-00063P
- Mokhosev, M. V. See Fedorov, P. I.
- Molchanov, V. S.; and Tikhonova, Z. I.
Can the acid leaching of silicate glasses be self-accelerated? 60-04677A
- Molchanova, R. A. See Kuleshova, T. B.
- Moldavanov, V. P. See Sokolov, A. D.
- Molev, V. I. See Schchavlev, O. S.
- Mollinier, Jacques; Mahler, Jacques; and Boquet, Gilbert
Aqueous size for glass fibers. 60-02367P; and Boquet, Gilbert
Mombelli, V. V. See Miroshnichenko, O. Ya.
- Momin, A. C.; and Karkhanavala, M. D.
Temperature dependence of the Grueneisen parameter and lattice vibrational frequencies of UO $_2$ and ThO $_2$ in the range 298-2300 K. 60-01641A
- Momo, F.; Sotgiu, A.; and Basocchi, E.
EPR of vanadium(IV) in lead silicate glass. 60-03479A
- Monkowski, Joseph R.; Tressler, Richard E.; and Stach, J.
Correlations between the electrical and material properties of silicon oxides grown in chlorine-containing ambients. 60-01516A
- Monma, Hideki; and Ueno, Seichi
Apatite formation and behavior of fluoride ions in the system Ca $_3$ (PO $_4$) $_2$ -H $_2$ O-F $_2$. 60-05558A
- Monosi, Saveria See Collepardi, Mario
- Montagna, M. See Pilla, O.
- Montgomery, Lionel C.
High density refractory composites and method of making. 60-03930P
- Montiel, V. See Case, E. D.
- Montin, Stefan See Ahlsen, Ulf
- Montino, Franco; Corradi, Ariello R.; and Nonato, Erminio
Process for the preparation of magnetic powders based on γ -Fe $_2$ O $_3$. 60-00598P
- Moody, Howard B.
Glass fiber forming. 60-03750P
- Moon, Kenneth A.; Kant, Arthur; and Croft, William J.
Heats and free energies of formation of two silions by mass spectrometry—correction. 60-04343A; Heats and free energies of formation of two silions by mass spectrometry. 60-00800A
- Moon, Ronald L.
Lattice constant grading in the Al, Ga $_{1-x}$ As $_x$ Sb, alloy system. 60-02741P
- Moore, Carleton B. See Evans, Keenan L.
- Moore, F. See Davis, W. R.
- Moore, J. F. A.
Some preliminary load tests on brick veneer attached to timber-framed panels. 60-03851A
- Moore, M. A.; and King, F. S.
Abrasive wear of brittle solids. 60-00871A
- Moore, R. E. See Dalrymple, R. S.
- Moore, Roger H. See Brewer, J. Anthony
- Moore, Thomas W., Jr. See Graham, Paul W. L.
- Moorthy, V. K. See Kulkarni, A. K.; Mohan, Ashok
- Morales Poyato, F. See Espinosa de los Monteros, J.
- Moran, James See Conway, Bernard W.
- Morandini Frisa, A. See Clerici, C.
- Moravcik, A. See Bouse, Vaclav
- Moravcik, A.; and Bouse, Vaclav
Transformation of TiO $_2$ into titanium dioxide enamels and methods of regulating it. 60-00093A
- Moravcek, J.
Process of drying: II, Rheological model of the material. 60-02820A
- Moreau, Pierre See Dauguet, Jean-Claude
- Morel, Jean
Rotary fire-finishing machine for glass articles. 60-03806P
- Morelock, Charles R.
Composite of polycrystalline diamond and/or cubic boron nitride body/silicon carbide substrate. 60-01802P; Process for producing a composite of polycrystalline diamond and/or cubic boron nitride body and substrate phases. 60-03013P; See also Hillig, William B.; Laskow, William; Mehan, R. L.; St. Pierre, Philippe D.
- Moretti, E.; and Nicoletti, F.
Use of raw materials in the production of Murano art glass and Venetian wares. 60-00018A
- Morrey, Booker W.
Purification of particulate glass by mag [magnetic] separation of impurities. 60-00371P
- Morgan, Chester S.; and Johnson, William R.
Thermal shock resistance ceramic insulator. 60-01635P
- Morgan, David W. See Flannery, James E.
- Morgan, M. A. See Pfister, Gustav
- Morgan, P. E. D. See McDonough, W. J.
- Morgan, P. E. D.; Clarke, David R.; and Jantzen, Carol M.
High-alumina tailored nuclear waste ceramics. 60-04112A
- Morgan, P. E. D.; Lange, F. F.; and Clarke, David R.
New Si $_3$ N $_4$ material—phase relations in the system Si-Sc-O-N and preliminary property studies. 60-04374A
- Mori, Ichiro See Ohya, Kaoru
- Mori, Masaki; Ogawa, Tamotsu; and Takai, Norihira
Beta'-sialon sintered body and a method for manufacturing it. 60-02983P
- Moriconi, G. See Sandrolini, Franco
- Moriconi, Giacomo See Collepardi, Mario
- Morikawa, Hideki See Miyake, Michihiko
- Morikawa, T. See Hidaka, T.
- Morimoto, Michael T. See Schultze, Lawrence E.
- Morimoto, Osamu See Hata, Tomonobu
- Morimoto, S.; and Mishima, M.
Effect of composition on darkening and fading characteristics of silver halide photochromic glass. 60-01023A
- Morimoto, Syogo See Sakai, Junji
- Morimoto, Tadahiko; Harita, Akira; and Furumi, Koichi
Burned magenta-dolomite brick used at the bottom of an RH degassing vessel. 60-05058A
- Morimoto, Tadahiko; Kanauchi, Toshio; and Ebisawa, Ritsuo
Return [recycled] castable. 60-05122A
- Morin, D. See Vaquier, A.
- Morinaga, K. See Kawahara, M.
- Morikawa, Masao See Yodogawa, Masatada
- Morishita, Toshihiko See Inoue, Mikio
- Morita, Kenichi See Fukuhara, Mototada; Hiramatsu, Toru
- Moriya, Taro See Tsuchiya, Toshio
- Moriya, Yoshio See Nogami, Masayuki
- Moriya, Yoshio; and Nogami, Masayuki
Hydration of silicate glass in steam atmosphere. 60-00181A
- Moriyoshi, Yasuko See Ikegami, Takayasu
- Morley, H. See Hughes, J. D. H.
- Moronvalle, C. See D'Auria, L.
- Morosann, Constantin E.
Preparation, characterization, and applications of silicon nitride thin films. 60-01554A
- Moroz, B. I. See Kruglitskii, N. N.
- Moroz, B. I.; and Datsenko, B. M.
Dull glazes for facade ceramic tiles. 60-03959A
- Moroz, I. I. (Editor)
Technology of Structural Ceramics (Tekhnologiya Stroitel'noi Keramiki). 3rd Ed. 60-03296B
- Moroz, I. I.; Komskaya, M. S.; and Oleinikova, L. L.
Handbook of the Porcelain-Fayence Industry: Vol. II (Spravochnik po Farforo-Fayensovoi Promyshlennosti: Tom II). 60-05753B
- Moroz, I. Kh. See Orlova, R. G.
- Morozov, E. M. See Zaitsev, V. N.
- Morozov, E. M.; Smirnov, V. P.; and Klimov, V. V.
Ferroelectric-antiferroelectric transition in lead zirconate with small additions of titanium and germanium. 60-01899A
- Morozov, V. N.; and Chernov, V. G.
Phase equilibrium in the system InAs-CdTe. 60-04386A
- Morozova, I. N. See Pogoyan, M. A.
- Morozova, T. M. See Shutova, R. F.
- Morrell, R.
Engineering ceramics—property data for the user. 60-01748A
- Morrell, Roger
Mineralogy and properties of sintered cordierite glass-ceramics. 60-02312A; See also Barry, Thomas Ian
- Morris, A. P.; Dossdale, T.; and Knott, P.
Cation exchange and interdiffusion in Pyrex glass. 60-00985A
- Morris, Henry B. See Bate, Robert T.
- Morris, Michael W. See Mohr, William C.
- Morris, Robert C. See Walling, John C.
- Morris, Roger See Kruger, Richard
- Morris, S. B. See Taylor, Richard Hamilton
- Morrison, G. H. See Furman, B. K.
- Morrissey, William J. See Koop, Nicholas S.
- Morrow, S. A. See Ainscough, J. B.
- Morse, David L.; and Seward, Thomas P., III
Optically clear copper halide photochromic glass articles. 60-03062P
- Morsy, A. M. See Serry, Mohamed A.
- Morten, B. See Canali, C.
- Moslenko, N. I. See Zaitseva, L. V.
- Mosin, Ya. D. See Balkevich, V. L.

- Moskowitz, Larry N.; and Klar, Erhard
Process of making nickel or cobalt powder with precipitates. 60-01833P
- Moss, G. See McIntyre, G. J.
- Moss, Gerald
Converting calcium sulfide to calcium oxide. 60-00680P
- Moss, Richard I. See Smalley, Howard F.
- Mostinski, I. L.; Zagorodnikh, A. V.; and Lamsden, D. I.
Measurement of the phase temperature in a nonequilibrium two-phase flow. 60-01925A
- Motec, Stefania; Szabo, A.; and Savut, Maria
Tests for characterizing domestic refractories in a low carbon stainless steelmaking process. 60-01407A
- Mott, Nevill F.
Charged defects in vitreous silica. 60-01851A
- Mottier, P.; and Valette, S.
Integrated Fresnel lens on thermally oxidized silicon substrate. 60-04022A
- Moulin, G. See De Coninck, W.
- Mounier, Francois See Charlet, Alain
- Moure Jimenez, C.
Barium titanate as a semiconductor material. 60-05263A
- Mouritzsen, Joergen
Fly ash in the cement and concrete industry. 60-02118A
- Moustakas, Theodore D.; Friedman, Robert A.; and Wrnski, Christopher R.
Gradient doping in amorphous silicon. 60-02736P
- Movchan, B. A.; Badilenko, G. F.; and Demchishin, A. V.
Control of the structure and mechanical properties of thick vacuum condensates using dispersed particles. 60-01514A
- Movsesyan, A. Kh.; Sorokin, I. N.; and Freidenberg, A. S.
Particle-size composition of grog-based aggregates for gunning compositions based on alumina cements. 60-00431A
- Mowers, R. E.; and Peterson, A. C.
High-temperature insulation. 60-00423A
- Moya, Jose S.
Mechanical properties of sintered, in-situ-reacted multielement zirconia composites—comment. 60-04216A
- Moya, Jose S.; Rubio, Jorge; and Pask, Joseph A.
Electrophoretic behavior of silica-bearing alumina surfaces. 60-00482A
- Moynehan, M. See Lombard, J.
- Moylhan, Cornelius T. See Gbogi, E. O.; Ingram, M. D.; Lesikar, Arnold V.; Ma, D. S.; Syed, R.
- Moylhan, Cornelius T.; Drexhage, Martin G.; and Bendow, Bernard
Composition dependence of infrared edge absorption in ZrF₄ and HfF₄-based glasses. 60-03456A
- Moylhan, Cornelius T.; and Lesikar, Arnold V.
Weak-electrolyte models for the mixed-alkali effect in glass. 60-01200A
- Mozaillo, L. V. See Levitskii, I. A.
- Mrkva, Frantisek
Corrosion of the roof structure of the furnace room. 60-04693A
- Mrowec, Stanislaw
Defect structure in nonstoichiometric metal oxides. 60-03054A
- Mshana, J. See Krausz, A. S.
- Mudzhiri, I. P. See Shushanashvili, A. I.
- Muehlbauer, Michael See Nemes, Lubomir
- Muehlich, Albert See Rau, Karlheinz
- Mueller, Anette See Stark, Jochen
- Mueller, Annelore See Huhn, Hans-Joachim
- Mueller, Craig T.; Sullivan, Charles J.; and Chang, William S. C.
Analysis of the coupling of an injection laser diode to a planar LiNbO₃ waveguide. 60-02241A
- Mueller, G. See Petzoldt, J.
- Mueller, Georg; and Weiss, Herbert
Apparatus for manufacturing high quality crystals. 60-04051P
- Mueller, Klaus See Bober, Manfred
- Mueller, Paul-Peter See Enssnult, Marc
- Mueller, Wolfgang See Sierrn, Manfred; Tielsen, Arther J.
- Muenchberg, Wolfgang
Wear in AOD converters. 60-01414A; See also Obst, Karl-Heinz
- Muenk, R.; and Witry, M.
Planning, construction, and operation of the new Rumelange (Luxembourg) clinker works. 60-02170A
- Mukerji, Joydeb See Chakraborty, D.; Sanyal, A. S.
- Mukerji, Joydeb; Basu, A. K.; and Sharma, Kapil Dev
Indian blast furnace slag as additive for acceleration of melting and refining of glass. 60-03554A
- Mukerji, Joydeb; and Biswas, S. K.
Effect of iron, titanium, and hafnium on second-stage nitriding of silicon. 60-05604A
- Mukerji, Joydeb; Nandi, Asis Kumar; and Dhargupta, K. K.
Oxidation of silicon nitride. 60-01937A
- Mukerji, Joydeb; and Reddy, N. K.
Properties of nitride-bonded silicon carbide refractory. 60-05107A
- Mukherjee, S. P.
Sol-gel processes in glass science and technology. 60-01161A
- Mukhina, L. L.; Razumovskaya, I. V.; and Proyanenkov, V.
Changes in the deformation properties of the surface layer of glass under ion exchange. 60-00119A
- Mukundana, P.; Thomas, D.; and Krishna Pillai, P.
Evaluation and utilization of three Kerala clays for the structural industry. 60-01310A
- Mulvey, Robert F. See Crepeau, Charles E.
- Mumford, Eustace H.
Plunger operating mechanism for a glass-forming machine. 60-04986P
- Muminova, D. R. See Ismatov, A. A.
- Mundy, J. N. See Vashishta, P.
- Munz, Dietrich See Heinrich, Juergen
- Murachi, Mikio See Noda, Fumiyoshi
- Murakami, Toshiaki See Suzuki, Minoru
- Murakami, Yasuji See Yamada, Junichi
- Murakami, Yasuji; Yamada, Junichi; and Sakai, Junichi
Microfines tipped on a single-mode fiber end for (In,Ga)(As,P) laser coupling improvement. 60-02311A
- Murakawa, Kyohel See Yamada, Seichi
- Muramatsu, K. See Mitomo, Mamoru
- Murase, Teruo See Niwa, Koichi
- Murashko, A. See Serikova, V.
- Murashova, G. E. See Sil'vestrovich, S. I.
- Murata, Hiromu See Miura, Mitiko
- Murata, Yorihiro; and Batha, H. Dean
Densification and wear resistance of TaN-ZrB₂-ZrN and TaN-ZrB₂-WC compositions. 60-05508A
- Murav'eva, K. K. See Nikonova, R. V.
- Murawski, L. See Chung, C. H.; Gzowski, O.
- Murdmann, K. O. See Yurchenko, G. R.
- Murer, Volkmar; and Harris, Michael
Energy reduction by fiber lining of ceramic kilns. 60-05461A
- Murumtsev, V. A.; Orlova, G. M.; and Bal'makov, M. D.
Heat capacity of P-Se glasses at temperatures 300–600 K. 60-04762A
- Murphy, Donald W. See Christian, Paul A.
- Murphy, James A. See Bartholomew, Roger F.
- Murphy, James F. See Schlager, Richard J.
- Murray, David B. See Trahan, Albert J.
- Murray, Haydn H.
Beneficiation of submarginal ceramic raw materials. 60-00674A; Major kaolin processing developments. 60-01713A
- Murray, Maxwell John; and Liversidge, R. M.
Use of cubic shaped sawdust in heavy clay products. 60-02502A
- Murrell, Donald L.
Treatment of magnetic garnet film. 60-00607P
- Murtha, Marilyn J.; and Burnet, George
New developments in the lime-soda sinter process for recovery of alumina from fly ash. 60-04186A
- Musatov, M. I.
Causes of formation of bubbles in corundum crystals. 60-05571A
- Musatov, M. I.; Petunina, I. N.; and Nikolaev, I. N.
Dislocations in large crystals of optical-grade corundum. 60-05595A
- Musikhin, G. Ya. See Gromov, A. I.
- Muto, Hiroshi See Kihara, Sorin
- Mutsaers, Cornelis A. H. A. See Boonstra, Alexander H.
- Myers, D. L. See Smithgall, D. H.
- Myers, John D.; and Vollers, Charles S.
Laser phosphate glass compositions. 60-02404P
- Myles, Thomas A.
Refractory moldable composition. 60-02563P; Shrink-resistant refractory fiber and process for making it. 60-01458P
- Mylen, B. O. See Virgo, D.
- Myslinski, Jerzy See Grzenia, Andrzej
- Nabarro, F. R. N. (Editor)
Dislocations in Solids: Vol. 1, The Elastic Theory. 60-00857B; Dislocations in Solids: Vol. 2, Dislocations in Crystals. 60-00858B
- Nacamu, R. L.; and LaLama, S. J.
High carbon-magnesia refractories in basic oxygen steelmaking. 60-03889A
- Nadeau, John S.; Bennett, R.; and Mindess, Sidney
Acoustic emission in the drying of hardened cement paste and mortar. 60-03334A
- Nagae, Hajime See Ito, Akio; Koshino, Takashi
- Nagai, Bin; Isobe, Toshihiro; and Wada, Nobuyuki
Pumpability of refractory concrete—effect of material factors on pumpability. 60-05108A
- Nagai, Masayuki See Yanagida, Hiroaki
- Nagai, Tsutomu See Hara, Sadao
- Nagano, Kazuo; and Kawakami, Shojiro
Measurements of molar conversion coefficients in graded-index fibers. 60-00209A
- Nagata, Yoji See Kawabata, Hidetsugu
- Nagatsuma, Kazuyuki See Ito, Yukio
- Nagel, Suzanne R. See Yan, Man F.
- Nagel, Suzanne R.; and Saffi, M. A.
Effect of deposition rate on spectral loss of GeO₂-P₂O₅-SiO₂ graded-index fibers. 60-02269A
- Nagelberg, A. M. See Farrow, R. L.
- Naglev, V. M.
Electron characteristics of phosphate-vanadate semiconductor glasses with different alkali-metal oxide contents. 60-04736A
- Nagy, Andras See Hoffmann, Gyorgy
- Naha, D. See Mitra, N. K.
- Nahta, Roop C.
Method of dispersing bundles of glass fibers for making glass fiber mats by the wet-laid process. 60-03778P
- Naidenova, G. A. See Orlova, R. G.
- Nair, K. Ravindran
Thermoanalytical studies on coprecipitated hydroxides and carbonates of yttrium and iron (Fe³⁺). 60-04046A
- Naiti, S. C.; and Forrester, J. A.
Test for cohesion of concrete. 60-03384A
- Naito, Hiroyuki See Sugahara, Yujiro
- Naito, Junichiro See Okamoto, Kunio
- Naito, Kiyoshi; and Syukuya, Akio
Intermittent top firing tunnel kiln equipped with a burner having a ceramic air nozzle. 60-01709P
- Naitou, Yoshisuke See Koshiyama, Isamu
- Nakagawa, Koji; and Watanabe, Yoshiharu
Cement composition for making concrete moldings and method for making such concrete moldings. 60-00934P
- Nakagawa, Ruki See Hamamoto, Fujio
- Nakahara, Motohiro See Sudo, Shoichi
- Nakahara, Motohiro; Sudo, Shoichi; and Inagaki, Nobuo
Ultrawide bandwidth VAD fiber. 60-02352A
- Nakajima, Koichi; Ishiguro, Tomoji; and Okamoto, Tokuhiko
Insulator on spark plug electrode coated with zirconium and vanadium oxides. 60-03988P
- Nakamura, Hiroshi; and Aoki, Masaharu
Liquid-phase epitaxial growth of ZnS, ZnSe, and their mixed compounds using Te as solvent. 60-02667A
- Nakamura, Hiroshi; and Ichimura, Takeo
Optical glasses. 60-03797P
- Nakamura, Kazuo See Nakano, Kikuo
- Nakamura, Kichi; and Iwata, Takashi
Fixed microwave attenuator having mounting hole passing through alumina porcelain substrate. 60-04063P
- Nakamura, Senichi
Method for manufacture of hydrated borates. 60-02918P
- Nakamura, Tamio See Kobayashi, Yoshiyuki
- Nakamura, Tatsuo See Ogawa, Ichiro
- Nakamura, Terutaro See Takashige, Masaaki
- Nakamura, Tetsuro; and Takagi, Yoshiaki
Parabolic behavior of melting and boiling points versus Coulomb potential in ionic substances. 60-00813A
- Nakamura, Yasuo See Fujita, Masayuki
- Nakanishi, Takenori; Yoshikawa, Yujii; and Tageto, Takao
Nuclear fuel reprocessing apparatus. 60-00617P
- Nakano, Kenichi See Law, Hsiang-Yi David
- Nakano, Kikuo; Hayashi, Hiroshi; and Nakamura, Kazuo
Single crystal growth of IVA-diborides from metal solutions. 60-05694A
- Nakano, Kikuo; Kumashiro, Yukinobu; and Sakuma, Eiichi
Single-crystal growth of tantalum diboride. 60-01970A
- Nakano, Kikuo; Matsubara, Hiromi; and Nakamura, Kazuo
High temperature hardness of titanium diboride single crystals. 60-05621A
- Nakano, Kikuo; Nakamura, Kazuo; and Hayashi, Hiroshi
Hardness of niobium diboride single crystals. 60-05620A
- Nakano, Kikuo; Nakamura, Kazuo; and Kumashiro, Yukinobu
Single crystal growth of tantalum diboride. 60-05695A
- Nakashima, Hisao See Shintani, Akira
- Nakashima, R. See Mohri, Y.
- Nakata, Kunio See Okino, Seiki
- Nakatani, Motohiko See Kitayama, Shoji
- Nakayama, Masanobu See Goto, Hajime
- Nakayama, Mineo See Yamauchi, Hideo
- Nakayama, Noboru See Hasegawa, Kanemitsu
- Nakayama, Y. See Nishida, Tetsuaki
- Nakazawa, Masatoshi; Futamoto, Masaaki; and Hosoki, Shigeaki
Surface analysis of LaB₆ single crystal thermionic emitters. 60-01990A
- Nakazawa, Michihiko; and Yamaguchi, Yoshinobu
Ramming mix for tundish lining. 60-05109A
- Namazu, Ryosuke See Hasegawa, Osamu
- Namba, Yasutoshi See Kyoden, Hiroshi
- Nameishi, Naoyuki; Adachi, Hideo; and Ohsaki, Hiromi
Alteration of direct-bonded magnesia chrome brick used in RH degassing vessels: II, Selective mass loss of Cr₂O₃ from refractory. 60-05046A
- Nameishi, Naoyuki; Inoue, Akira; and Kitai, Tsuneo
Properties of calcined [Chinese] bauxite. 60-02524A
- Nameishi, Naoyuki; Tabata, Akira; and Kiriu, Yukio
Improvement of refractories to cope with development of RH degassing process. 60-01360A
- Namik, Haruo See Iwasa, Uichi
- Nambu, Masao See Kato, Eiichi
- Nandi, D. N.; Das, C.; and Singh, G. D.
Dust control in processing of refractory raw materials. 60-00411A
- Nandi, D. N.; Ghoshal, P. K.; and Rao, R.
Application of data processing in the study of process performance in refractory industries. 60-05051A
- Nanne, Silvio E. See Dowhaniuk, William P.
- Napier, J. C.
Applications of all-ceramic nozzle to radial flow turbine. 60-02934A
- Narav, V. N. See Pronkin, A. A.
- Narung, K. C. See Chopra, S. K.
- Narang, Krishan K. See Singh, Vipin Kant
- Narasimham, P. S. L. See Giridhar, A.
- Narasimhan, Mandayam C.
Strips of metallic glasses containing embedded particulate matter. 60-03813P
- Narayan, J.
Laser annealing under the oxide layers in silicon. 60-02662A
- Narayan, J.; and Shukla, V. N.
Formation of ohmic contacts in semiconducting oxides. 60-02642A
- Narayanan, Kesh S. See Rue, Charles V.

- Narayanan, O. S.
Optimum schedule for annealing flat glass. 60-02325A
- Narita, Eiichi See Inoue, Mikio
- Nariken, Bernt; and Tummala, Rao R.
Multilayered glass-ceramic substrate for mounting of semiconductor device. 60-00587P
- Narumiki, Tsuneki
Cordierite, alumina, silica porous ceramic bodies coated with an activated alumina layer. 60-03925P; Cordierite, silica, alumina porous ceramic body. 60-03926P
- Naruse, Tanehide
Magnetic material for recording media. 60-02745P
- Nasrallah, Magdi See Weeks, Robert A.
- Nassau, Kurt See Glass, A. M.
- Nasu, H.; Hirao, Kazuyuki; and Soga, Naohiro
Debye temperature and electrical conduction of Fe_2O_3 -CaO-SiO₂ glasses. 60-03463A
- Nasu, Shiochi See Matsui, Hisayuki
- Nath, P. See Divedi, R. N.
- Nath, P.; and Bunsbach, Rointan F.
Preparation of In_2O_3 and In_2O_3 films by a novel activated reactive evaporation technique. 60-02688A
- Natori, Takasi See Sasaki, Tadao
- Natsume, Isamu; Kobayashi, Yoshimichi; and Ito, Toshinao
Carbon electrode and manufacture thereof. 60-02536P
- Naumann, Guenter
Determination of residual lining thickness by infrared measurements. 60-01341A
- Naumenko, A. M. See Ermolenko, N. N.
- Navez, Jean-Pierre See Baes, Emile
- Navia, Louis See Park, Dong-Sil
- Nayak, U. N. See Basu, M. K.
- Nazarov, A. S.; Yakovlev, I. I.; and Antimono, A. F.
Thermal decomposition of the compound of chlorine trifluoride inserted into the fluorographite matrix of composition C.F. 60-03229A
- Neagu, Rodica; and Abraham, Lidia
Refractory thermophysical properties—[thermal conductivity]. 60-01398A
- Nebbia, G.; and Notornicola, L.
Energy consumption during glass production. 60-00153A
- Nedeljkovic, Arsenije I.
Pickle-free enameling systems. 60-00089A
- Nedev, V. See Filipova, Zh.; Kukushva, M.
- Nedil'ko, S. A. See Golub, A. M.
- Nedil'ko, S. A.; Ermakova, M. N.; and Lyashko, L. D.
Cobaltates(III) of the rare-earth elements. 60-00775A
- Nedostvili, V. P. See Antonov, G. I.
- Negran, T. J.; and Glass, A. M.
Crystallization kinetics of roller quenched LiNbO_3 glass using trivalent chromium ion luminescence as a probe. 60-04697A
- Nehrl, Johannes See Blankenburg, Hans-Joachim
- Nell, Clyde C. See Phillips, William
- Nekrasov, I. Ya.; and Bushueva, E. B.
IR spectra of spinel-group minerals as exemplified by the spinel-hercynite series. 60-05642A
- Nekrasov, I. Ya.; and Dadze, T. P.
Phase relations in the system $\text{Na}_2\text{O}-\text{SiO}_2-\text{SnO}_2-\text{H}_2\text{O}$ at 650 °C and $P_{\text{H}_2\text{O}} = 1$ kbar. 60-03157A
- Nekrasov, K. D.
Heat resistant concretes and their use in building in the U.S.S.R. 60-00916A
- Nekrasova, S. P. See Likhomanova, N. A.
- Nelson, F. J.; and Novak, John D.
Data requirements for quantitative analyses of commercial glassmelting system energy performance. 60-00127A; Description of a computer model of glass furnace energy performance. 60-00130A; Evaluation of commercial glass furnace energy performance via computer simulation. 60-00157A; Requirements for an accurate mathematical description of glassmelting energy performance. 60-00262A
- Nelson, Gary L.; and Harvey, William A.
Rinse melt for LPE crystals. 60-05346P
- Nelson, J. A. See Ahmed, W. U.
- Nelson, R. N. See Anderson, D. W.
- Nemaud, Yves See De Panafieu, Arnaud
- Nemec, Lubomir; and Muehlbauer, Michal
Mathematical model of bubble behavior during refining of glassmelts. 60-00206A; Mathematical modeling of bubbles in melted glass. 60-03597A
- Nemecek, M.; Stefan, Jaroslav; and Skrivan, Miroslav
Multiphase electric current field in glassmelts. 60-04809A
- Nemeth, William R.
Dental compositions of improved properties. 60-03985P
- Nemets, V. M. See Li, V. N.
- Nemilov, S. V.
Viscosity and elastic properties of melts and glasses in the system As-S and their vibrational structure. 60-00294A; See also Gutkina, N. G.; Kanchieva, O. N.
- Nenashcheva, E. A.; Rotenberg, B. A.; and Bois, G. V.
Structure and dielectric properties of ceramics based on the system $\text{PbTiO}_3-\text{La}_2\text{O}_3-\text{TiO}_2$. 60-04431A
- Nenashcheva, E. A.; Rotenberg, B. A.; and Gindin, E. I.
Dielectric properties and structures of titanates of rare-earth elements and alkaline earth metals during isovalent substitutions in various sublattices. 60-05594A
- Neogi, H. N.
China clay resources of West Bengal and the problem of utilization. 60-00675A
- Neov, S. D.; Gerasimova, L.; and Krezhov, K.
Structure simulation of some tellurite and chalcogenide glasses. 60-03690A
- Neri, G. P. See Lasagni, C.
- Nesbitt, John F.; and Treat, Russell L.
Alternative waste forms—process feasibility. 60-05352A
- Neshit, W. See Quon, D. H. H.
- Neshpor, V. S. See Fridlender, B. A.
- Nesi, Ruth See Stalberg, Roberta Helmer
- Nesterenko, P. S.; Gol'tsov, Yu. I.; and Romanenko, D. A.
Charge for the manufacture of an electret [sintered borate glass]. 60-04921P
- Nesterenko, V. P. See Brailko, A. V.
- New, Ronald M. See Ruch, Richard B., Jr.
- Neubauer, W.
Neuburg White, the initial material for sillitine. 60-05479A
- Neuhof, Gerd
Wear resisting effect of carbon in tar dolomite brick. 60-01415A
- Neuimin, A. D. See Karavaev, Yu. N.
- Neumeecheva, S. N.; Popil'skii, R. Ya.; and Sakharov, V. V.
Method for introducing modifying additives during the synthesis of Na-B-alumina through mixed hydroxides. 60-05653A
- Neuronov, V. P. See Dzhigirits, D. D.
- Nevard, Leslie A.
Heating glass batch material. 60-02399P
- Neviditsya, L. F.; and Fed'man, V. I. (Editors)
Automated Processes in the Production of Ceramic Drainage Pipes (Avtomatizatsiya Protsessov Proizvodstva Keramicheskikh Drenaznykh Trub). 60-03258B
- Nevia, D. B. See Petty, Arthur W., Jr.
- Nevot, L.; and Croes, P.
Characterization of surfaces by grazing X-ray reflection—application to the study of polishing of some silicate glasses. 60-03445A
- Nevriva, M. See Pollert, E.
- Nevriva, M.; and Pollert, E.
Phase diagram of the binary system $\text{PbO}-\text{Gd}_2\text{O}_3$. 60-01940A
- Nevskii, N. N.; Ilyukhin, V. V.; and Belov, N. V.
Crystal structure of CaGe_2O_7 —a germanium analog of sphen. 60-05582A
- Newbury, D. E. See Hon, M. H.
- Newman, Harold
Stabilizing colors for a range of firing temperatures. 60-05031A
- Newnham, Robert E. See Cross, Leslie E.; Gardopce, G. J.; Gururaja, T. R.; Halliayal, A. G.; Klicker, K. A.
- Newns, G. R. See Dunn, Anthony G.
- Ng, Wing P. See Martin, John E.
- Ngai, K. L. See Liu, Sie T.
- Nichiyama, Ryuji See Yokoyama, Kazuo
- Nichol, D.; and Ambler, E. P.
Evaluation of some ball clays from eastern Australia. 60-02909A
- Nicholas, M. G.; Valentine, T. M.; and Waite, M. J.
Wetting of alumina by copper alloyed with titanium and other elements. 60-00525A
- Nicholls, D. H. See Sandoe, J. N.
- Nicholson, Patrick S. See Bentzen, Janet J.; Ciarlo, J.; Krstic, Vladimir D.; Kuribayashi, Kiyoshi; Pekarsky, Alina
- Nickel, Hubertus See Gyarmati, Erno
- Nickel, Hubertus; Peuser, Felix Alexander; and Mazurkiewicz, Maria
Quantitative microanalysis of reactor graphites by means of laser emission spectroscopy. 60-01640A
- Nickless, G. See Tubb, A.
- Nicks, J. E.
Research and development needs in the structural clay industry. 60-02493A
- Niculescu, Lazar D.
Estimating the efficiency of fly ashes in cements and concretes. 60-03357A; Experimental cements [prepared] with fly ashes. 60-03359A
- Nicolet, M. A. See Finstad, T. G.
- Nicoletti, F. See Borin, A.; Moretti, E.
- Nicola, A.; Peteanu, M.; and Ardelean, Ioan
Hyperfine splitting of the $g=4.3$ line in a TeO_2 - PbO - Mn^{2+} glass. 60-03550A
- Niedrach, Leonard W.
Oxygen ion-conducting ceramics—new application in high-temperature-high-pressure pH sensors. 60-02680A
- Niedzialkowski, John See Sokoly, Theodore O.
- Niegisch, Walter D.
Ultrafine fibers and method for making them. 60-05553P
- Nielsen, P. See Ellemann, P.
- Niffka, Heinrich
Isostatic dry pressing of flatware. 60-00487A; Isostatic pressing of flat products. 60-05215A
- Niffka, Heinrich; Woelel, P.; and Zimmermann, H.
Production of flatware by isostatic dry pressing. 60-02594A
- Niikura, Koichi See Hirai, Toshio
- Niikura, Koichi; Bentzen, L. D.; and Hasselman, D. P. H.
Anisotropic effects in the thermal diffusivity of Si_3N_4 -BN composites. 60-05500A
- Nikiforov, Yu. V. See Danyshevskii, S. I.
- Nikitin, E. P. See Dianov, E. M.
- Niklewski, Jerzy B. See Eggerding, Carl L.
- Nikolov, I. N. See Mustov, M. I.
- Nikolic, Z. S.; Ristic, M. M.; and Huppmann, W. J.
Application of numerical method for grain growth analysis during liquid phase sintering. 60-03034A
- Nikolina, E. S.; Batanova, A. M.; and Aziev, R. G.
Petrographic and X-ray diffraction study of reduction products of natural Ca phosphates. 60-04381A
- Nikolov, Dobrin V. See Ivanov, Rumen V.
- Nikonets, I. I. See Shpynova, L. G.
- Nikonov, Yu. I.; and Obmoia, B. I.
Nuclear magnetic resonance study of the mobility of implanted fluorides in some graphite compounds. 60-03134A
- Nikonova, R. V.; Murav'eva, K. K.; and Kalinkin, I. P.
Growth of ZnTe films on a ceramic substrate. 60-04016A
- Nilsson, Jan See Adlerborn, Jan
- Nimirovsky, Y.; and Goshen, R.
Plasma anodization of Hg₂-CdTe. 60-05288A
- Nimmagadda, R. See Jacobson, Birgit E.; Suri, A. K.
- Nimmagadda, R.; and Bunsbach, Rointan F.
High rate deposition of hafnium nitride by activated reactive evaporation (ARE). 60-01754A
- Nishida, Masamitsu; Kawashima, Syunichiro; and Ueda, Ichiro
Method for preparing piezoelectric ceramics. 60-00568P
- Nishida, Tetsuki; Shiotsuki, Takako; and Takashima, Yoshimasa
Mössbauer study of the fraction of nonbridging oxygens in potassium borate glasses. 60-01104A
- Nishida, Tetsuki; Takashima, Yoshimasa; and Nakayama, Y.
ESR study of ^{60}Co γ -ray irradiated $\text{KPO}_3\text{-Fe}_2\text{O}_3$ glasses. 60-03481A
- Nishihara, Hiroko; Ueda, Yutaka; and Kosuge, Koji
Microscopic magnetic properties of V_2O_5 . 60-04370A
- Nishimura, Hiroaki
Method of continuously preparing molten glass utilizing waste glass as part of the ingredients. 60-02420P
- Nishio, Hideaki See Hirahara, Hiroaki
- Nishio, Takumi See Oki, Kazuo
- Nishioaka, Michihiro See Chiang, Shu-Sheng
- Nishiyama, Goro; and Hayashi, Hiroshi
Mineral compositions of $\text{MgO-B}_2\text{O}_3$ under high pressure. 60-05656A; Synthesis of plumbate-type perovskites. 60-05717A
- Nishiyama, Hiroshi; Ogawa, Toshio; and Mashio, Tsunaka
Piezoelectric crystalline film of zinc oxide and method for making it. 60-01621P; Piezoelectric crystalline film of zinc oxide and method for making. 60-00593P
- Nishiyuki, T. See Sakka, Sumio
- Nishizaki, Hiroaki; and Takebayashi, Katsuke
Grain size control in raw materials. 60-05084A
- Nissim, Y. I.; Gibbons, J. F.; and Evans, C. A., Jr.
Thermal diffusion of tin in GaAs from a spin-on $\text{SnO}_2/\text{SiO}_2$ source. 60-02717A
- Nistri, Luigi
Modern method of constructing prefabricated tunnel kilns. 60-00653A; Modern tunnel kiln technology leads to prefabrication. 60-01700A
- Nitayama, Akihiko; Sakaki, Hiroaki; and Ikoma, Toshiaki
Properties of deep levels in ZnO varistors and their effect on current-response characteristics. 60-02692A
- Nitchman, Peter P.
Solving production problems with a computer. 60-01654A
- Nitschke, John S.
Speed adaptive conveyor drive for a glass manufacturing system. 60-01300P
- Nitschke, Norman C. See McMaster, Harold A.
- Niwa, Hiroaki See Tanemura, Seita
- Niwa, Koichi; Murase, Tetsuo; and Fujimori, Masatoshi
Method of manufacturing multilayer ceramic board. 60-02771P
- Niwa, Shohei
Development to date and future prospects for casting pit refractories. 60-05070A
- No, Hwon-Ju; Joo, Chong-Yeol; and Kim, Myun S.
Synthesis of analcime from domestic bentonite. 60-05716A
- Noack, Bernd See Grunert, Lothar
- Noble, F. R. See Bailey, Reginald Thomas
- Noble, F. R.; Rowse, J. B.; and Golley, C. R. L.
Mineralogy of ceramic clays. 60-03129A
- Nobugaki, Koichi See Yamana, Kazuo
- Noda, Etsuji See Hata, Tomonobu
- Noda, Fumiyoshi; Marachi, Mikio; and Ueno, Hideaki
Apparatus for manufacture of low-soda alumina granules. 60-04192P
- Noetstaller, R.
Cement works quarry planning. 60-02080A
- Nogami, Masayuki See Moriya, Yoshio
- Nogami, Masayuki; and Moriya, Yoshio
Glass formation through hydrolysis of $\text{Si}(\text{OC}_2\text{H}_5)_4$ with NH_4OH and HCl solution. 60-00168A
- Noguchi, Kazuo; Wakasugi, Makoto; and Kobayama, Fumio
Quartz crystal vibrator using Ni-Ag or Cr-Ni-Ag electrode layers. 60-04096P
- Noguchi, S. See Tachibana, M.
- Noguchi, Satoshi; and Sakata, Hirotsugu
Electrical properties of undoped In_2O_3 films prepared by reactive evaporation. 60-02634A
- Noguchi, Tetsuo See Mizuno, Masao
- Noir, D. T.; and Vollerin, B. L.
Recent achievements in the field of combustion and fuels. 60-03655A
- Nolan, Daniel A.
Monolithic optical waveguide having a plurality of cores. 60-0356P
- Nomura, Hidenori; Homma, Hiroshi; and Matsushita, Shigeo
Method of producing dielectric diffraction gratings or dielectric multilayer interference filters. 60-02429P

- Nomura, Satoshi. See Doi, Takao
- Nomura, Shokichi. See Abe, Masanori; Kuwata, Jun; Uchino, Kenji
- Nomura, Yoshitami. See Tanabe, Kaoru
- Nonato, Ermilio. See Montino, Franco
- Norris, Edith
Making stained glass. 60-03596A
- Norstrom, H. E. See Andersson, L. P.
- Norworthy, Richard G.
Basic principles of ceramic decals. 60-01466A
- North, Bernard; and Gilchrist, Kevin E.
Effect of impurity doping on a reaction-bonded silicon carbide. 60-04206A
- North, John W.
Process and apparatus for producing cellulated vitreous refractory material in prescribed shapes and products therefrom. 60-05175P
- Northcutt, K. J. See Hulett, L. D.
- Northrup, Clyde J. M., Jr. (Editor)
Scientific Basis for Nuclear Waste Management: Vol. 2. 60-03292B
- Northrup, John D.
Method of forming glass bottles. 60-04969P
- Norvell, Gordon S.; and King, Donald W.
Glass- or ceramic-to-metal seals. 60-05316P
- Nose, Masahiko. See Kimura, Morihito
- Nosch, Jaroslav
Simulation of forming by centrifugal casting: I. 60-04861A
- Nosyrev, N. A. See Dem'yanets, L. N.
- Notarnicola, L. See Nebbia, G.
- Noti, Alan J. See Price, William M.
- Nottenburg, R. See Wang, Y.
- Notter, A. T.; and Shafto, G. R.
Factors influencing the performance of the CDA [carbide diamond abrasive] family of resinoid bond grits. 60-00873A
- Novak, J. See Pollett, E.
- Novak, John D.
Application of combustion space energy calculations to commercial glass furnaces. 60-00104A; See also Nelson, F. J.
- Novak, John H.; Smay, Gary L.; and Wasyluk, John S.
Method for applying an inorganic coating to a glass surface. 60-03768P
- Novak, Richard E. See Berkman, Samuel
- Novick, David T. See Brill, Robert H.
- Novik, V. K. See Gavrilova, N. D.
- Novikov, N. V.; and Kislyi, P. S.
Wear-resistant coatings of superhard materials. 60-00876A
- Novokoshonov, V. I.
Synthesis of the sesquicarbides of the heavy rare earth elements and yttrium at high pressures and temperatures. 60-05718A
- Novosadov, V. K.; Pyatanova, L. V.; and Kozhevnikov, A. F.
Possible use of titanogypsum in cement production. 60-04556A
- Novoselova, A. V. See Ardashnikova, E. I.; Ratnikova, I. D.
- Novoselova, A. V.; Zlomanov, V. P.; and Gas'kov, A. M.
Physicochemical study of the phase diagram in the system Pb-Sn-Te and conditions for the preparation of (Pb_{1-x}Sn_x)₂Te crystals. 60-05675A
- Novotny, Jaroslav. See Skvara, Frantisek
- Nucho, Roger N.; and Madhukar, Anupam
Electronic structure of SiO₂-α-quartz and the influence of local disorder. 60-03078A
- Nudel, M. E.
Communication process and particle interaction. 60-04129A
- Nudelman, B. I.; Gadaev, A. Y.; and Bikkau, M. Ya.
Raw mixture for the production of cement clinker. 60-02220P
- Nuessler, Hans-Dieter; and Kubaschewski, Oswald
Heat capacities of four silicates between 900 and 1650 K. 60-02953A
- Nulkina, N. M. See Zaitseva, L. V.
- Nutt, S. R. See Wawner, F. E.
- Nuttgens, John
New design of woodburning kiln. 60-00015A
- Nyz, James A.; and Sturgill, Dennis T.
Waste heat recovery boiler on a glassmelting furnace. 60-02359A
- Nyffenegger, H. See Hasler, R.
- Oaki, Masaharu. See Ishidate, Takeo
- Oates, P. B. See Ritter, John E., Jr.
- Oberg, Edwin T.
Glass cutting means. 60-04940P
- Oberheuser, G. See Freund, Friedemann
- Oberlin, Agnes. See De Fonton, Sylvie
- Obidina, S. P.; Davydova, O. V.; and Zasykina, G. A.
Glass [with increased softening temperature and improved manufacturing properties by adding MgO]. 60-04934P
- Obmoin, B. I. See Nikonov, Yu. I.
- Obraztsova, E. V.; Lutsenko, V. P.; and Kuz'min, I. I.
Optical and paramagnetic absorption in electron-irradiated K-Ba silicate glasses. 60-04816A
- O'Brien, Brian, Jr.
Optical fiber fabrication. 60-04981P
- Obst, Karl-Heinz; and Muenchberg, Wolfgang
Mineralogical studies of dolomite as a basic refractory material. 60-02519A
- Obukhova, G. B.; Ryshchenko, M. I.; and Mel'nicenko, N. A.
Glaze [with increased whiteness]. 60-05248P
- Ochiai, Tsunemi; Itoi, Hidenobu; and Ando, Tetschi
Resin-bonded taphole mixes for blast furnaces. 60-05117A
- O'Connell, Robert M.
Lead potassium niobate substrate member for surface acoustic wave applications. 60-00555P
- O'Connor, Paul B. See MacChesney, John B.
- O'Connor, Paul B.; and Pearson, Arthur D.
Optical fiber fabrication method and apparatus. 60-04980P
- Oda, Isao; and Kaneno, Masayuki
High pressure metal vapor lamp and a transparent polycrystalline alumina tube therefor. 60-03757P; Sintered silicon nitride body and a method of producing it. 60-00764P
- Oda, Isao; Kaneno, Masayuki; and Hayakawa, Issei
Polycrystalline transparent spinel sintered body and a method for producing it. 60-05336P
- Oda, Isao; and Maekawa, Koichiro
Method for producing polycrystalline translucent alumina having an excellent in-line transmission. 60-00345P
- Oda, Kenji. See Mase, Hiroshi
- Oda, Kiichi. See Takahashi, Katsuaki
- Oda, T. See Shiozaki, Tadashi
- Odawara, Kozo. See Kawamura, Hiromitsu
- Odel'skaya, I. N.
Chemical stability of Zn-containing glasses during their crystallization. 60-04686A
- Odler, Ivan; and Abdul-Maula, S.
Possibilities for separating the individual constituents of portland cement by means of selective solvents. 60-02174A; Structure and properties of portland cement clinker doped with CaF₂. 60-00048A
- Odler, Ivan; and Becker, T.
Effect of some liquefying agents on properties and hydration of portland cement and tricalcium silicate pastes. 60-02104A
- Odler, Ivan; and Bloss, Wolfgang
Use of gypsum recovered from combustion gas desulfurization methods in the cement industry. 60-04577A
- Odeen, Kai. See Kihlstedt, Per G.
- Oel, Heribert J. See Dannheim, Henning; Sellner, Christiane
- Oelke, Waldemar W. See Boehm, Hans W.
- Oesterholm, Heidi H.; and Day, Delbert E.
Calcium migration in dense alumina aged in water and physiological media. 60-05191A
- Oestreich, Ulrich
Method for the continuous production of an optical transmission element. 60-00346P
- Oeters, Franz. See Schmiedluch, Guenter
- Oeters, Franz; and Schmiedluch, Guenter
Fundamentals of refractory wear in electric arc furnaces. 60-00421A
- Oettel, Richard E. See Deminet, Czeslaw
- Oetli, Harimut
Apparatus for controlling the height of pressed workpieces of ceramic powder or other material in a press. 60-05416P
- Oganesian, R. M. See Kostanyan, K. A.
- Oganesian, Rafik B.
Method of producing Keramzit. 60-00064P
- Ogasahara, Kazuki. See Ohishi, Izumi
- Ogawa, Ichiro; and Nakamura, Tatsuo
Effect of fuel mixing on combustion in a tunnel kiln. 60-05457A
- Ogawa, Kiichiro; Uchikawa, Hiroshi; and Takemoto, K.
Mechanism of hydration in the system Ca-Si-pozzolana. 60-02150A
- Ogawa, Tomotou. See Mori, Masaaki
- Ogawa, Toshio
Method for producing piezoelectric ceramics. 60-02760P; 60-01604P; See also Nishiyama, Hiroshi
- Ogawa, Yoshinari; Fukumoto, Teruhisa; and Sakai, Kohichi
Glass fiber-reinforced thermoplastic polyester composition. 60-04941P
- Ogbuji, L. U.; Mitchell, T. E.; and Heuer, A. H.
Beta-α transformation in polycrystalline SiC: III, The thickening of alpha plates. 60-03035A; Beta-α transformation in polycrystalline SiC: IV, Comparison of conventionally sintered, hot-pressed, reaction-sintered, and chemically vapor-deposited samples. 60-03036A
- Oglivie, R. E. See Eser, E.
- Ogino, Makoto; and Hensch, Larry L.
Formation of calcium phosphate films on silicate glasses. 60-01048A
- Ogino, Makoto; Ohuchi, Fumio; and Hensch, Larry L.
Compositional dependence of the formation of calcium phosphate films on bioglass. 60-05504A
- Ogorodova, L. P. See Kiseleva, I. A.
- Ogrizovich, Donald N.
New coal gasification process. 60-02879A
- Oh, Bong-Inn. See Ahn, Young-Pil
- Oh, Hea-Kab; and Choi, Sang-Heul
Effects of composition on the hydration of blast-furnace granulated slag. 60-04531A
- Ohishi, Izumi; and Ogasahara, Kazuki
Reducing refractory consumption of a ladle. 60-05112A
- Ohkawa, Kiyoshi. See Hiragushi, Keisuke
- Ohkawa, S. See Ohnawa, A.
- Ohkohchi, Masato. See Ando, Yoshinori
- Ohl, James W.
Method of coating optical waveguide filaments. 60-02419P
- Ohmori, Akira. See Okamoto, Ikuro
- Ohmori, Yasuji. See Horiguchi, Masaharu
- Ohmura, Kaoru. See Shibasaki, Ichiro
- Ohno, Hiroki; Ichikawa, Toshihiro; and Shiokawa, Nobuhiro
ESCA study on the mechanism of adherence of metal to silica glass. 60-03480A
- Ohno, Reichi. See Kagawa, Masahiro
- Ohno, T. See Matsuo, M.
- Ohno, Tomeji. See Shohata, Nobuaki; Yonezawa, Masatomo
- Ohnsorg, Roger W.
Process for injection molding sinterable carbide ceramic materials. 60-01448P
- Ohnishi, Hiromichi. See Namiishi, Naoyuki
- Ohnishi, Nobuyoshi; Tanaka, Keiichi; and Mizushima, Eiji
Apparatus for producing fibers from heat-softening materials. 60-02366P
- Ohnawa, A.; Honda, K.; and Ohkawa, S.
Oxygen sintering and thermally-induced microdefects in Czochralski-grown silicon crystals. 60-03146A
- Ohnawa, Shigenari; and Kondo, Reichi
Reactivities of various silicates with sodium hydroxide solution. 60-00042A
- Ohba, Hironori; and Suzuki, Yoshio
Chemical durability of glasses in the systems SiO₂-CaO-Na₂O-R₂O₂. 60-04680A
- Ohba, Tatsuo. See Kuribayashi, Kiyoshi
- Ohba, Y. See Kawamoto, Yoji
- Ohbuka, Yasuji; and Koike, Yasuhiro
Determination of the refractive-index profile of light-focusing rods—accuracy of a method using Interphaco interference microscopy. 60-00633A
- Ohuchi, Fumio. See Ogino, Makoto
- Ohya, Kaoru; Teruka, Akino; and Mori, Ichiro
Neutralization of ion beam on semiconductive BaTiO₃ ceramic surface. 60-01548A
- Oh, Tetu
Retarded deposition of Li₂N thin films on WO₃ substrates. 60-03180A; See also Takagi, Kazumasa
- Oh, Tetu; Takagi, Kazumasa; and Fukazawa, Tokumitsu
Scintillation study of ZnWO₄ single crystals. 60-03185A
- Okawa, Teruo. See Taga, Genji
- Ohishi, Shuji; Endo, Yuji; and Kobayashi, Tsuyoshi
Effects of M (M = Mg, Ca, Ba) ions on the KCl flux growth of MWO₃ needle crystals. 60-04314A
- Ohishi, Shuji; Kanai, Wataru; and Tate, Isao
Growth of NaNd(MoO₄)₃ single crystals from the ternary system Nd₂O₃-MoO₃-Na₂CO₃. 60-04341A
- Ohishi, Shuji; and Tate, Isao
Growth of MgGa₂O₇ crystals by the PbO-PbF₂-B₂O₃ flux method. 60-04340A
- Ohishi, Yasumichi. See Ando, Ken
- Ohishi, Yasumichi; Ando, Ken; and Kubota, Y.
Self-diffusion of oxygen in single crystal alumina. 60-03187A
- Ohishi, Yasumichi; Ando, Ken; and Tsuruga, K.
Phase relations in the UO₂-ThO₂-MgO system in air. 60-05670A
- Ohishi, Yasumichi; Kamel, Yoshinobu; and Akiyama, Masahide
Self-diffusion coefficient of lithium in lithium oxide. 60-04117A
- Ojeda, Ariel G.
Chemical composition for the coating of electrodes for manual arc welding. 60-00094P
- Ojha, P. N. See Singh, N. B.
- Oka, Yoshio. See Tomozawa, Minoru
- Oka, Yoshio; and Tomozawa, Minoru
Effect of alkaline earth ion as an inhibitor to alkaline attack on silica glass. 60-01022A
- Oka, Yoshio; Wahl, Joseph M.; and Tomozawa, Minoru
Effect of surface energy on the mechanical strength of a high-silica glass. 60-04722A; Swelling and mechanical strength of glass. 60-00286A
- Okabayashi, H.; Yoshida, M.; and Ishida, K.
SiO₂ antireflection coating effect on cw laser annealing of ion-implanted Si. 60-02705A
- Okabe, Yasuo. See Kato, Akio
- Okada, Eisaburo; and Sakagami, Koji
Additive for air-entrained concrete or air-entrained mortar. 60-02198P
- Okada, Hisanao. See Kawashima, Masao
- Okai, Bin; Tsukioka, Masayuki; and Fujita, Taketoshi
Pressure-induced resistance and color change in KTN [KTa_{0.5}Nb_{0.5}O₃]. 60-00818A
- Okamitsu, Hiroaki. See Kitayama, Shoji
- Okamoto, Hiroshi. See Kanaya, Kensuke
- Okamoto, Ikuro; Ohmori, Akira; and Kubo, Mitsuji
Bonding of alumina using cuprous oxide as insert material. 60-02610A
- Okamoto, Kunio; Naito, Junichiro; and Asano, Mitsuru
Process for producing an alumina catalyst carrier. 60-00760P
- Okamoto, Tokuhiko. See Nakajima, Koichi
- Okamoto, Tsutomu; and Tamura, Hidemasa
Method of producing a dielectric of two-layer construction. 60-01610P
- Okamoto, Yoshinaga. See Shibasaki, Hiroji
- Okamura, Kiyohito. See Yajima, Seishi
- Okamura, Yasuyuki. See Mimura, Yoshinori
- Okazaki, Hisaaki. See Sudo, Shoichi
- Oki, Kazuo; Nishio, Takumi; and Ito, Kazuo
Application of 3-plate sliding nozzle for tundish (bloom and billet). 60-05049A
- Oki, Kazuo; Takahashi, Tsugukazu; and Ito, Yugo
Gas purging upper nozzle for sliding nozzles. 60-05082A
- Okino, Seki; Nakata, Kunio; and Yanai, Toshiharu
Method of coating glass surface with heat-reflective titanium oxide film. 60-01269P

- Okkenhaug, Knut**
Pozzolanas in concrete. 60-02177A
- Okuda, Hiroshi** See Sekiya, Tadashi
- Okuma, Hideo; Takahashi, Takashi; and Yamashita, Yohachi**
Piezoelectric oxide materials. 60-00594P
- Okuno, Toshio** See Kiyonaga, Kingo
- Okuya, Chikaki** See Inagaki, Noboru
- Olapiński, Hans** See Dworak, Ulf
- Olcatyug, F.; Riedling, K.; and Fallmann, W.**
Low temperature process for the reactive formation of Si_3N_4 layers on InSb. 60-01545A
- Oleinikov, N. N.** See Anastasyuk, N. V.
- Oleinikova, L. L.** See Moroz, I. I.
- Olekseyuk, I. D.; Gam, N. S.; and Voroshilov, Yu. V.**
System $\text{CdAs}_2\text{-CdI}_2$. 60-00836A
- Olenchuk, D. L.** See Majors, H. L.
- Olesova, T. N.; Zoulyu, P. V.; and Adeishvili, L. O.**
Phase transformations in the system $\text{CaO-SiO}_2\text{-Cr}_2\text{O}_3$ and the resistance to coating in the sintering zone of rotary kilns. 60-04552A
- Olevskii, S. S.; and Repko, V. P.**
Auger spectroscopic study of semiconductor SiO_2 films. 60-05262A
- Olginskiy, F. Y.** See Sharonov, Mikhail A.
- O'ginskiy, A. G.; and Chernyavskii, V. L.**
Secondary hydration of cement minerals. 60-04565A
- Oliver, V. P.; Berzkin, S. P.; and Galkin, P. N.**
Raw mix for the production of portland cement clinker. 60-00072P
- Oliver, David W.; and Trzaskos, Casmir R.**
Bonded cathode and electrode structure with layered insulation, and method of manufacture. 60-02728P
- Olivetto, Vanfridio**
Machine for the manufacture of glass articles by blow molding glass. 60-04950P
- Olsen, E.**
Experience in connection with refractory linings of outlet zones in cement kilns with planetary coolers. 60-02112A
- O'shanskii, A. I.** See Kovchur, S. G.
- Olshansky, Robert**
Multicomponent optical waveguide having index gradient. 60-00357P
- Olshansky, Robert; and Sarkar, Arnab**
High bandwidth optical waveguide having B_2O_3 -free core and method of fabrication. 60-01248P; High bandwidth optical waveguides and method of fabrication. 60-01249P
- Olshvang, Yu. N.** See Galkin, Yu. M.
- Olson, C. G.** See Lynch, David W.
- Olstad, Walter B.**
Future requirements for advanced materials. 60-00852A
- Omal, Jean; Kohlmueller, Robert; and Batal, Patrick**
Structure of lead rhodium oxide, PbRhO_x . 60-04433A
- Omar, Ali Abdel-Aziz; Mahmoud, Mahmoud Youssef; and Salman, Saad Moghazy**
Effect of Na_2O , ZnO , and MnO on the crystallization of anorthite-hyalonite-tridymite eutectic glasses. 60-03482A
- Omar, Ali Abdel-Aziz; Salman, Saad Moghazy; and Mahmoud, Mahmoud Youssef**
Modes of mineral formation in molten quartz sand-limestone-dolomite-clay mixtures and their corresponding glasses. 60-04805A
- Omar, M. H.** See Abou-el-leil, Mahmoud
- Onaka, V. A.** See Panasyuk, G. P.
- O'Neill, John E.**
Energy management strategies using microprocessor instrumentation. 60-01693A
- O'Neill, Charles F.**
Method for liquid phase epitaxy multiple dipping of wafers for bubble film growth. 60-02756P
- O'Neill, Eoin P.; and Keirns, Dale L.**
Activation of calcium oxide as a sorbent. 60-00678P
- O'Neill, Michael S.** See Loyd, Morris S.
- Onillon, M.; and Perrin, J.**
Hydrodynamics and physicochemistry of the attack of industrial refractories by metallurgical slags: 1. 60-03891A
- Onishi, T. R.**
Heat transfer in rotary cement kilns. 60-02126A
- Ono, H.** See Watanabe, M.
- Ono, Noriaki** See Furumi, Koichi
- Ono, Shusuke** See Mitsuyu, Tsuneo
- Ono, Shusuke; Mitsuyu, Tsuneo; and Yamazaki, Osamu**
Surface acoustic wave device comprising piezoelectric substrate having zinc oxide layer on α -alumina layer. 60-01633P
- Ono, Takeo** See Wakabayashi, Motoyoshi
- Onoda, George Y., Jr.** See Messing, Gary L.
- Onodera, Akifumi** See Kawada, Kaoru
- Onushchenko, A. A.** See Ekimov, A. I.
- Onyshkevych, Lubomyr**
Developments with porcelain enamel steel substrates for electronic applications. 60-04605A
- Oohashi, Haruo** See Makishima, Akio
- Onok, H. A.** See Hageman, V. B. M.
- Opalechuk, L. S.**
Production of large-sized decorative glazed floor tiles on continuous-operating conveyor lines. 60-03972A
- Opalechuk, L. S.; Dubakina, N. G.; and Orvinnikova, M. I.**
Production of surface-finished ceramic tiles. 60-03973A
- Opalechuk, L. S.; and Ivanov, Yu. V.**
Use of pyritized clay of the Artemovsk deposit for the production of ceramic floor tiles. 60-03859A
- Opliski, Aleksander** See Lopuszko, Miroslaw
- Opitz, D.**
Heat consumption of rotary lime kilns. 60-02124A
- Orange, G.; Dubois, J.; and Fantossi, G.**
Determination of high-temperature mechanical properties of ceramic materials. 60-00632A
- Orasco, Ios**
Nonmetal-bearing raw materials used in the glass and fine ceramics industry. Kaolin. 60-05481A; Nonmetal-bearing raw materials used in the glass and fine ceramics industry. Pegmatites. 60-05482A
- Orasco, Ios; and Ionescu, Elena**
Nonmetal-bearing raw materials used in the glass and fine ceramics industry. Quartz. 60-05483A
- Orazio, Fred D., Jr.** See Silva, Robert M.
- Ordan'yan, S. S.** See Fridlender, B. A.
- Orekhova, G. P.** See Alekseenko, L. S.
- Orel, V. P.** See Zarubitskii, O. G.
- Orera, V. M.; Chen, Yok; and Abraham, M. M.**
Imprinting of slip bands in mechanically deformed MgO crystals using lithium impurities. 60-00804A
- Orgaz Orgaz, Felipe; and Fernandez Navarro, J. M.**
Kinetics of ion exchange and interdiffusion mechanisms in silicoaluminates glasses. 60-00197A
- Orlandi, L.** See Mazzali, P.
- Orlov, V.** See Goranchev, B.
- Orlov, V.; Gornachev, B.; and Sarov, G.**
De reactively sputtered iron oxide films for selectively semitransparent photomasks: I. Deposition conditions and optical properties of the films. 60-01517A; De reactively sputtered iron oxide films for selectively semitransparent photomasks: II. Relation between the structure of the films and their mechanical and chemical properties. 60-01518A
- Orlinov, V.; and Sarov, G.**
Mechanical stresses in de reactively-sputtered Fe_2O_3 thin films. 60-04030A
- Orlov, A. N.**
Soviet achievements in glass machine production. 60-04867A
- Orlov, B. A.** See Cherkinskii, Yu. S.
- Orlov, D. L.** See Shapovalova, N. F.
- Orlov, G. N.** See Gorbunov, R. F.
- Orlova, E. M.** See Balabanova, E. A.
- Orlova, G. M.** See Muromskaya, V. A.
- Orlova, I. G.** See Vol'fon, R. E.
- Orlova, I. G.; and Poshkova, E. D.**
High-density and dense zircon refractories made from finely divided material. 60-01358A
- Orlova, I. G.; Rudyak, I. N.; and Razolova, Z. N.**
Charge for the manufacture of refractories. 60-05160P
- Orlova, L. A.; and Kuznetsov, A. Y.**
Increasing the mechanical strength of aluminosilicate glasses by etching. 60-03553A
- Orlova, R. G.; Moroz, I. Kh.; and Naidenova, G. A.**
Kinetics of mullite dissolution in alkali and alkaline-earth melts [obtained during the firing of mullite porcelain]. 60-03965A
- Ormond, R.** See Magee, T. J.
- Ory, Jean-Marie** See Janin, Gerard
- Osadchaya, N. V.** See Pavlov, V. F.
- Osaka, Jiri; Inoue, Naohisa; and Wada, Kazumi**
Homogeneous nucleation of oxide precipitates in Czochralski-grown silicon. 60-03100A
- Osakabe, Nobuyuki; Yagi, Katsumichi; and Honjo, Goro**
Reflection electron microscope observations of dislocations and surface structure phase transition on clean (111) silicon surfaces. 60-01965A
- Osaki, Yukio** See Danjo, Hiroyuki
- Osantowski, J.** See Rife, J.
- Osborn, William P.** See Guzzetta, Joseph A.
- Osekili, Yu. G.** See Sinyakov, E. V.
- Osgood, R. M., Jr.** See Ehrlich, D. J.
- Osmanis, A. D.** See Labinskii, P. G.
- Osmanis, A. D.; and Labinskii, P. G.**
Strengthening glass articles by ion-exchange. 60-01301P
- Osmond, Desmond W. J.** See Dawson, David G.; Downing, Stephen B.
- Osovitskii, E. I.** See Dyban, Yu. P.
- Ostapenko, M. Ya.; Rashevskaya, E. G.; and Konovalova, M. K.**
Ceramic material [with decreased water absorption and gray color by adding feldspar]. 60-05234P
- Ostapenko, M. Ya.; Rashevskaya, E. G.; and Lednyak, O. G.**
Glaze [with increased whiteness]. 60-05247P; Glazes for the production of decorative embossed ceramic tiles. 60-03960A
- Osterstock, F.; Vadum, G.; and Chermant, J. L.**
Mechanical properties and fracture mechanics of brittle materials. 60-00810A
- Ostmann, Steffen** See Melzer, Dieter
- Ostrovchuk, A. S.; Eidsuk, J.; and Es'kova, N. F.**
Chemically stable composite enamel coating with improved thermomechanical properties. 60-00954A
- Ostrovskii, V. S.**
Effect of oxidation on the strength and porosity of graphite. 60-05607A
- Ostrowski, C.**
Plaster cements with inorganic and organic additives. 60-03774A
- Ostrowski, Richard C.**
Method of making and using a ceramic shell mold. 60-00465P
- Osvenskii, V. B.** See Anastasyuk, N. A.
- Ota, Yusuke** See Goodwin, Charles A.
- Otsuka, Kanji; Usami, Tamotsu; and Sekikata, Masao**
Interfacial bond strength in alumina ceramics metallized and cored with tungsten. 60-04024A
- Otosen, Axel**
Glory holes—their use and design. 60-02514A
- Ouchiya, Norio; and Tanaka, Taisuo**
Estimation of the average number of contacts between randomly mixed solid particles. 60-02837A; Kinetic analysis of continuous pan granulation. Possible explanations for conflicting experiments and several indications for practice. 60-05412A; Porosity of a mass of solid particles having a range of sizes. 60-05441A; Stochastic model for compaction of pellets in granulation. 60-05390A
- Ouki, Masami** See Miwa, Naoto
- Outland, Robert J.**
Ceramic filters for diesel exhaust particulates. 60-05153P
- Ovcharenko, N. V.** See Tatarintsev, B. V.; Yakhkind, A. K.
- Ovchinnikov, A. N.** See Bezlepkin, V. A.
- Ovchinnikova, M. I.** See Opalechuk, L. S.
- Ovshinsky, Stanford R.; and Madan, Arun**
Amorphous semiconductors equivalent to crystalline semiconductors produced by a glow discharge process. 60-00528P
- Owen, Derek G.** See Taylor, Peter
- Oxford, Roger C.** See Chaile, Charles E.
- Oza, P. P.** See Bhatti, D. J.
- Ozaki, Shunro** See Kato, Etsuzo
- Ozawa, Haruo** See Takashige, Masaaki
- Pabst, Reiner F.**
Characterization of subcritical crack extension of ceramic materials. 60-05574A; See also Li, Li-Shing; Popp, G.
- Pabst, Reiner F.; Bogner, Inge; and Zwissler, James B.**
Static, dynamic, and cyclic fatigue of ceramic materials. 60-05704A
- Pabst, Reiner F.; and Weick, Joerges**
Double torsion measurements with and without a guiding notch. 60-04144A
- Paderno, V. N.** See Gaevskaya, L. A.
- Padgett, G. C.; and Hodson, F. T. A.**
Current trends in the use of dense and insulating refractories. 60-03881A
- Padieu, J.** See Bocquillon, G.
- Padon, L.**
Checks and inspections in different phases of the production cycle of floor and wall tiles. 60-05193A
- Padeschek, P.; and Eichinger, P.**
Quantitative determination of hydrogen in silicon-nitride films using proton-proton scattering. 60-03172A
- Paezold, M.** See Keucher, J.
- Pagel, Werner** See Roth, Mario
- Pai, B. C.** See Ramachandran, B. E.
- Pai, M.** See Joshi, G. M.
- Pair, Ron**
Dust-free loading and stockpiling of dry bulk material. 60-01650A
- Pak, V. N.; and Ventov, N. G.**
Effect of preliminary calcination of quartz glasses on their surface conductivity in a moist atmosphere. 60-03488A
- Pakhomov, L. A.** See Vasil'ev, G. P.
- Pakina, T. T.** See Toropov, Yu. S.
- Pai, B. P.; Kumar, A.; and Ghatak, A. K.**
Effect of axial refractive-index dip on zero total dispersion wavelength in single-mode fibers. 60-02626A
- Palais, Joseph C.**
Fiber coupling using graded-index rod lenses. 60-01045A
- Palkuev, S. F.** See Karavaev, Yu. N.
- Palkin, A. P.; Rozental, O. M.; and Sobolev, A. S.**
Proton magnetic resonance data for studying the hardening of [portland] cement paste at positive and negative temperatures. 60-03377A
- Palkina, K. K.; Saifuddinov, V. Z.; and Kuznetsov, V. G.**
Structure and synthesis of $\text{La}_2\text{O}_3\text{-B}_2\text{O}_3\text{-2MoO}_3$ and $\text{La}_2\text{O}_3\text{-B}_2\text{O}_3\text{-2WO}_3$ crystals. 60-00832A
- Pallo, John M.; and Shisler, Donald E.**
Method of operation of a refractory fiber production process. 60-02551P
- Palm, John A.** See Greskovich, Charles D.
- Palmer, Keith W.** See Ball, William J.
- Palmer, R. A.** See Ritter, John E., Jr.
- Palmer, S. B.** See Greenough, R. D.
- Palmorai, C.; Timmelli, G.; and Bacchilega, B.**
Problems with lead and fluorine in the ceramic industry. 60-00957A
- Paluch, Stanislaw** See Wierzbowski, Henryk
- Palvanov, V. P.; Stepankin, V. K.; and Shul'gin, B. V.**
Modeling of electron structures of alkali metal phosphate glasses. 60-04804A
- Palvanov, V. P.; Viktorov, L. V.; and Stepankin, V. K.**
Scintillation properties of Ce-containing phosphate glasses. 60-03665A
- Pan, C. A.; and Ma, T. P.**
High-quality transparent conductive indium oxide films prepared by thermal evaporation. 60-02650A; Work function of In_2O_3 film as determined from internal photoemission. 60-02722A
- Pan, Hong-chih; and Ko, Yung-chao**
Constituents and characterization of packing sands for sliding gate systems for steel ladles. 60-03878A
- Pan, Hui-ying** See Song, Shen-tai
- Panasyuk, G. P.; Onaliko, V. A.; and Lazarev, V. B.**
Changes in the structure of silica gel during heat treatment with water vapor. 60-05573A

- Panek, Zdenek** See Havlica, Jaromir
- Panfilov, R. A.** See Kuz'min, L. I.
- Panfilov, R. A.; Kuz'min, L. I.; and Postnikov, S. P.**
Periclase-spinel refractories in the lining of Cu-Ni converters. 60-01379A
- Panich, A. E.; Maksimov, S. M.; and Prokopalo, O. I.**
Preparation and properties of high-density ceramics based on perovskite-group refractory oxides. 60-04400A
- Pankevich, A. P.** See Kipariyov, S. S.
- Panova, S.; Tsonev, Ts.; and Kukov, S.**
Effect of some factors on the quality and production rate of carborundum molding forms. 60-05074A
- Panter, C. H.**
Electrical conduction in quartz powder. 60-03074A
- Pandi, B. N.; and Sircar, N. R.**
Significance of fabrication and characterization of ceramic porous cup for agro [agricultural] industries. 60-05228A
- Pannu, V. R.** See Svirskii, L. D.
- Pannu, V. R.** See Apykhin, N. N.
- Panwar, O. S.; Radhakrishna, M.; and Srivastava, K. K.**
Electrical and dielectric properties of $As_2Ge_3Te_{11}Ag_8$ glasses. 60-00144A
- Panzarino, Joseph N.; and Sander, Sylvester R.**
Durable ceramic decorating enamels based on thermally stable cadmium red colors. 60-03427P
- Paoloni, Antonio E.; Sebastiani, Enzo; and Variati, Galliano**
Process for the exploitation of leucite ores. Separation of constituents by solvent extraction. 60-04189A
- Papanikolaou, E.**
Solubility and diffusion of helium in fused silica above the transformation range. 60-01162A
- Papert, Emma N.**
Sandwich village and Sandwich glass. 60-02065A
- Papuchon, Michel; Puer, Brigitte; and Werner, Michel**
Nonlinear thin layer optical device. 60-01614P
- Parakh, Bhupendra K.; and Goldberger, William M.**
Recovery of silicon carbide whiskers from coked, converted rice hulls by liquid-liquid separation. 60-03018P
- Parfenov, V. I.** See Bashkurov, Sh. Sh.
- Park, Dong-Sil; and Navias, Louis**
Sodium resistant sealing glasses. 60-03808P
- Park, J. B.; Von Recum, A. F.; and Kenner, G. H.**
Piezoelectric ceramic implants—a feasibility study. 60-04220A
- Park, J. W.; and Chen, Haydn**
Infrared study of crystallization in sodium disilicate glasses containing iron oxides. 60-01065A
- Park, Jae H.**
Lightweight aggregates, intermediate aggregates, and process of manufacturing them. 60-02088P
- Park, John K.** See Logothetis, E. M.
- Park, Mann J.; Kim, K. S.; and Bray, Philip J.**
Determination of the structures of compounds and glasses in the system $MgO-B_2O_3$ using ^{11}B NMR. 60-04701A
- Park, Sang M.** See Payne, David A.
- Park, Y. K.** See Fedotowsky, A.
- Parker, A. J.** See Tubb, A.
- Parker, John M.** See Paul, Amalendu
- Parlee, Norman A. D.** See Anderson, Robert N.
- Parr, Erfried** See Roebke, Wolfgang
- Parasmanian, L. O.** See Chentemirov, M. G.
- Partus, Fred P.**
Method and apparatus for exhausting optical fiber preform tubes. 60-04952P; See also Lynch, Brian
- Partus, Fred P.; and Saifi, M. A.**
Lightguide preform manufacture. 60-03587A
- Paruso, Deborah M.; and Voldas, Bulent E.**
Method of forming sodium beta- Al_2O_3 films and coatings. 60-02767P
- Pasarcica, Victoria**
Determination of optimum mixing time of raw materials for pressing refractory bricks using the radiometric and autoradiographic method: II. 60-01340A; Use of radioactive isotopes to establish technology for preparing mixtures for refractory brick pressing: I. 60-01411A
- Pascale, D.** See Bures, J.
- Paschmann, Dieter** See Koltmann, Manfred
- Pasco, Wayne D.** See Greskovich, Charles D.; Ledder, Glenn W.
- Pasco, Wayne D.; Klug, Frederic J.; and Borom, Marcus P.**
Apparatus [setter] for firing low density graphite/alumina cores. 60-00452P; Method for firing low density graphite/alumina compacts and cores. 60-02753P
- Pascual, C.; and Duran, P.**
Phase relations and ordering in the dysprosium-zirconia system. 60-00815A
- Pashchenko, A. A.; and Lysyuk, A. G.**
Phosphogypsum as a stabilizer in basalt-containing portland cement. 60-00924A
- Pashchenko, A. A.; and Sai, V. I.**
Production of heat-insulating materials from local raw materials. 60-03900A
- Pashchenko, A. A.; Serbin, V. P.; and Bondar, V. R.**
Glass-Cement Composite Materials (Steklostsementnye Kompozitsionnye Materialy). 60-02029B
- Pashchenko, A. A.; Starchevskaya, E. A.; and Alekseenko, A. E.**
Production of stressing cements based on portland cement and phosphogypsum-carbonate sinter cake. 60-00925A
- Pashchenko, V. P.; Grigoryuk, A. I.; and Pitsyuga, V. N.**
Kinetics and the mechanism of formation of ferrospinel from nonequimolar mixture of Fe_2O_3 and NiO . 60-05644A
- Pask, Joseph A.** See Chandratraya, S. S.; Moya, Jose S.; Tomisa, Antoni P.; Wong, Boon
- Paskova, R.** See Avramov, I.
- Pasqualini, F.**
Glass recycling in Southern France. 60-03539A
- Pasteur, G. A.** See Melliar-Smith, C. M.
- Pasto, Arvid E.** See Clark, Grady W.
- Pastor, Ricardo C.; Chew, Remedios K.; and Gorre, Luisa E.**
Process for low-temperature surface layer oxidation of a semiconductor substrate. 60-04089P
- Patankar, Anil N.; and Mandal, G.**
Packing of some nonspherical solid particles. 60-01378A
- Patel, M.; Gopakumar, K.; and Rohatgi, P. K.**
Future of clay and clay based industries—a review. 60-05744A
- Patel, Mahesh S.**
Flame spray powder mix. 60-00967P; 60-00968P; 60-00966P
- Paton, Arthur** See Duke, Charles B.
- Patrick, M. C.**
Chemicals and minerals in glassy systems. 60-03449A; 60-03448A
- Patro, A. P.** See Rao, M. Rama
- Patten, Jim W.; Bayne, M. A.; and Hays, D. D.**
Sputter-deposited multilayered ceramic/metal coatings. 60-01788A
- Patterson, Clarence L.** See Bennett, Robert F.
- Pauks, P.; Kravale, I.; and Kalkovskaya, I. Ya.**
Enamel slip. 60-04658P
- Paul, Amalendu**
Bonding of vanadium(IV) in $Na_2O \cdot 2B_2O_3 \cdot As_2O_5$ glass. 60-00112A; Limitations of equilibrium thermodynamics for structural theories of ionic melts. 60-05646A; Line shape of the chromium(VI) absorption band in sodium borate and sodium silicate glasses. 60-04791A; Oxidation-reduction behavior of antimony oxide in some binary borate and silicate glasses. 60-00235A
- Paul, Amalendu; and Banerjee, Subrata**
Thermodynamics of copper-oxygen system dissolved in a glass—relation to copper ruby formation. 60-04896A
- Paul, Amalendu; Parker, John M.; and Ward, A. R.**
Solubility, oxidation state, and optical absorption of gold in borate glasses. 60-04863A
- Paul, P. G.** See Samadpur, B. N.
- Paulik, F.; and Paulik, J.**
Thermoanalytical investigations using the derivatograph. 60-00642A
- Paulik, J.** See Paulik, F.
- Paulikas, A. P.** See Lam, D. J.
- Pauline, Michael; and James, Robert J.**
Zircon-pyrophyllite—an economical steel ladle refractory. 60-01416A
- Paulus, M.**
Effect of homogeneity on sintering and the processes to improve it. 60-03070A
- Pavlov, I. E.; Alyamovskii, S. I.; and Shevkin, G. P.**
Solubility of hydrogen in carbides and oxycarbides of Ta. 60-04424A
- Pavlov, V. F.**
Sintering of porcelain bodies with the addition of $SiO_2-Al_2O_3-MO-M_2O$ system glasses. 60-05229A
- Pavlov, V. F.; and Osadchaya, N. V.**
Mn-containing glasses for the production of ceramic tile compositions with a low sintering temperature. 60-03843A
- Pavlov, V. F.; and Shalunova, I. V.**
Belogorsk (Kiya-Shalyr) nepheline ore as an efficient flux in the manufacture of ceramic floor tiles on conveyor lines. 60-03949A
- Pavlova, G. A.; Kelareva, T. F.; and Kozlova, M. A.**
Thermal expansion of titanosilicate glasses as a function of their heat treatment. 60-04895A
- Pavlova, N. G.** See Gridnev, S. A.
- Pavlova, V. I.** See Koganitskaya, E. V.
- Pavlova, Yu.** See Popov, E.
- Pavlova, Yu.; and Binev, N.**
Chemical and mineralogical changes in refractories from glass furnaces used for melting Pb crystal glasses at the V. Kolarov Glass Plant. 60-04041A
- Pavlova, Yu.; and Boyadzhieva, Kh.**
Chemical and mineralogical changes in refractories from the sintering zone in rotary furnaces at the Zlatna Panega cement complex. 60-00402A
- Pavlova, Z. A.; and Shelukhin, I. A.**
Majolica wares produced at the Stavropol plant. 60-03967A
- Pavlovich, R. D.; and Rosner, John C.**
Accelerated sulfate testing of mortars containing fly ash as a partial replacement for portland cement. 60-03333A
- Pavlushkin, N. M.** See Artamonova, M. V.; Donskaya, T. D.; Galitskaya, V. V.; Khodakovskaya, R. Ya.; Makedontseva, O. S.; Mikhailenko, N. Yu.; Tomvansyan, V. M.
- Pavlushkin, N. M.; and Dobrosotskaya, T. Ya.**
Raw-material mixture for producing facing tiles. 60-05257P
- Pavlushkin, N. M.; Sarkisov, P. D.; and Galustyan, O. G.**
Aventurine glass. 60-01217P; 60-01218P
- Pawelczyk, M.** See Loposko, Mirosław
- Pawelczyk, W. T.; and Busch, Ray**
Reactively-sputtered oxide optical coatings for inertial confinement fusion laser components. 60-01537A
- Pawłowski, Stanisław** See Sopicka-Lizer, M.
- Pawłowski, Stanisław; Gruszyńska, B.; and Serkowski, S.**
Properties of refractory ceramics reinforced with steel fibers. 60-03903A
- Payne, David A.** See De L'Epervier, A. Grandin
- Payne, David A.; and Park, Sang M.**
Heterophase ceramic composition. 60-00551P
- Payne, David A.; Park, Sang M.; and Jahnke, Otto C.**
Method of producing internal boundary layer ceramic compositions. 60-01611P
- Payne, Sequoyah L.** See Schiller, Joseph E.
- Pazdnikov, I. P.** See Tkachenko, E. V.
- Pazin, A. V.**
Calculation of the physicochemical properties of glasses in binary systems. 60-04676A; Some characteristics of relations between concentration and physicochemical properties of glasses in the system As-Se. 60-04864A; See also Rykova, T. S.
- Pazin, A. V.; and Glushkov, E. D.**
Electrical conductivity of glasses in the system Sb-Ge-Se over a wide temperature interval. 60-04733A; Electrical conductivity over a wide temp. interval of glasses which contain excess Se along the cross sections $GeSe-As_2Se_3$ and $GeSe-AsSe$ in the system As-Ge-Se. 60-04734A
- Pearson, Arthur D.** See O'Connor, Paul B.
- Peatfield, M.; Breti, N. H.; and Haines, H. R.**
Constitutional studies on carbide nuclear fuels for fast breeder reactors: I. The uranium-yttrium-carbon ternary system. 60-05357A
- Peatfield, M.; Breti, N. H.; and Potter, P. E.**
Constitutional studies on carbide nuclear fuels for fast breeder reactors: II. The uranium-praseodymium-carbon ternary system. 60-05358A; Constitutional studies on carbide nuclear fuels for fast breeder reactors: III. The uranium-barium-carbon ternary system at 1400°C, with observations on the U-Sr-C system. 60-05359A
- Pecheva, M.** See Peshev, P.
- Pechman, P.** See Bahnsen, E.
- Pechuro, S. S.; and Ferronskaya, A. V. (Editors)**
Technical Progress in the Production of Gypsum and Gypsum Products (Tekhnicheskii Progress v Proizvodstve Gipsa i Gipsovyykh Izdelii). 60-03295B
- Pecoraro, George A.** See Stultz, James C.
- Pedersen, Peder** See Hansen, Karl E.
- Pederson, L. R.** See McVay, G. L.
- Peelen, J. G. J.** See Versluis, J. W.
- Peelen, Jan G. J.; Rejda, B. V.; and De Groot, K.**
Preparation and properties of sintered hydroxylapatite. 60-02967A
- Peercy, P. S.** See Arnold, G. W.; Land, Cecil E.
- Peercy, P. S.; and Land, Cecil E.**
Model for ion-implantation-induced improvements of photoelectrochemical imaging in lead lanthanum zirconate titanate ceramics. 60-05283A
- Peirs, G.**
Belgian brick industry. 60-00382A; Standard methods of house wall construction in European countries. 60-03852A
- Pekal'n, T. K.; Virgil'ev, Yu. S.; and Volkov, G. M.**
Radiation-induced changes in the crystal-structure parameters of a carbon glass-ceramic. 60-04839A
- Pekarsky, Alina; and Nicholson, Patrick S.**
Relative stability of spray-frozen/freeze-dried $\beta^*-Al_2O_3$ powders. 60-01966A
- Pelagio, Gregory A.; and Holland, Wiley B.**
Apparatus for producing a yarn. 60-02364P
- Pelevin, O. V.** See Sokolov, A. M.
- Pelton, A. D.**
Calculation of a binary solidus from the liquidus and minimal additional thermodynamic information. 60-05569A; See also Lin, P. L.
- Pelton, A. D.; Schmalzried, H.; and Sticher, J.**
Thermodynamics of $Mn_2O_3-Co_2O_3$, $Fe_2O_3-Mn_2O_3$, and $Fe_2O_3-Co_2O_3$ spinels by phase diagram analysis. 60-04456A
- Peltsman, I.; and Peltsman, M.**
Machinery for hot molding ceramic parts under low pressure. 60-01481A
- Peltsman, M.** See Peltsman, I.
- Pena, P.; and De Aza, S.**
System $ZrO_2-Al_2O_3-TiO_2$. 60-05720A
- Pena Loriz, R.**
Factors for increasing the profitability of plants manufacturing vitreous enamels. 60-04613A
- Pender, L. F.**
1/f noise measurements. 60-00627A
- Penfield, William F.**
Update on the freight car supply problem. 60-02353A
- Penisten, Thomas E.**
Plant experience with ceramic fiber modules as a veneer lining in furnaces. 60-04636A
- Penny, C. M.** See Lapp, Marshall
- Pensko, J.** See Marcinkowski, S. A.
- Pentecost, Joseph L.; Lundsager, C. B.; and Sergeys, F. J.**
New process for catalyst support fabrication. 60-02964A
- Penty, Robert A.; and Bjerkile, John W.**
Energy conservation utilizing ceramic heat exchangers. 60-02874A
- Pepin, John G.; and McCarthy, Gregory J.**
Phase relations in crystalline ceramic nuclear waste forms—the system $UO_2-CeO_2-ZrO_2-ThO_2$ at 1200°C in air. 60-05382A
- Peppinkhouse, H. J.**
Utilization of rice hulls in brickmaking—an industrial trial. 60-05037A; See also Cole, W. F.
- Peralta, Antonio L.; and Eslava, Luis M. C.**
Process for obtaining refractory materials with controlled characteristics of porosity and density. 60-02558P

- Perchik, E. B.; Evseeva, V. B.; and Chernov, B. G.**
Effect of alloying additives on the electrical properties of corundum ceramics and mechanism of their interaction with steel melt. 60-00413A
- Perelyayeva, L. A.** See Vorob'ev, Yu. P.
- Perelman, Gordon F.** See Kellar, John D.
- Perelman, Gordon F.; and Kellar, John D.**
Glass breaking and separating apparatus and method. 60-04939P
- Perelitsin, A. P.** See Kleitsov, P. V.
- Perelitsyn, V. A.; Uzbeg, L. V.; and Ignatova, T. S.**
Structure of monocryotalline fused Y₂O₃. 60-01986A
- Perera, Dayantha S.**
Errors associated with the determination of bulk density of granular refractory materials. 60-03887A
- Peresh, E. Yu.; Lazarev, V. B.; and Tsygika, V. V.**
Phase equilibria in the systems TiH-(Pb)SnI, and properties of the compounds. 60-03156A
- Pert, D.** See Chu, P. L.
- Pernyakov, F. G.** See Kondin, V. F.
- Pernelle, R.**
Furnaces for the production of safety glass. 60-03526A
- Perrin, J.** See Onillon, M.
- Perrine, Lowell E.**
Glass fiber industry—young and growing. 60-02292A
- Perron, James S.** See Terkelsen, Bruce E.
- Perry, Philip D.** See Hornyak, Emery J., Jr.
- Persh, Jerome**
Assessment of the Department of Defense ceramic materials and structures research and development. 60-00850A
- Perstoff, P.** See Mehta, P. Kumar
- Persson, Goesta A.** See Engstrom, Carl B. A.
- Persson, John A.** See Davis, Howard F., Jr.
- Persnev, P. P.** See Berzhkova, G. V.
- Pescatore, Richard**
Kiln with optimal adaptability and its use in small units. 60-00650A
- Peshekhonov, N. D.; Laikask, Kh. P.; and Gorbunova, N. N.**
Refractory composition for lining thermal units. 60-01454P
- Peshev, P. and Pecheva, M.**
Sintering and magnetic parameters of spinel lithium ferrite: I, Pure lithium ferrite. 60-01561A; Sintering and magnetic parameters of spinel lithium ferrite: II, Lithium ferrite containing Bi₂O₃. 60-01562A
- Peteanu, M.** See Nicula, A.
- Peter, H.**
Energy reduction and quality improvement by use of recrystallized silicon carbide kiln furniture. 60-05078A
- Peterman, Douglas Jay** See Lynch, David W.
- Peters, Debra A.** See Decker, Cheryl A.
- Peters, J. W.; Gebhart, F. L.; and Hall, T. C.**
Low temperature photo-CVD silicon nitride—properties and applications. 60-02669A
- Peterson, A. C.** See Mowers, R. E.
- Peterson, George Earl** See Mims, William B.
- Peterson, George Earl; Carnevale, A.; and Berreman, D. W.**
Rigorous numerical solution to Maxwell's equation for lightguides. 60-00263A
- Peterson, George Earl; Carnevale, A.; and Kurkjian, Charles E.**
Biased spectral decomposition in glass. 60-03440A
- Peterson, Norman Lee** See Chen, Wei-Kong
- Peterson, Norman Lee; Chen, Wei-Kong; and Wolf, D.**
Correlation and isotope effects for cation diffusion in magnetite. 60-03049A
- Peterson, Otho G.** See Walling, John C.
- Peterson, D.** See Lagzdina, S.
- Petit, J. C.** See Dran, J. C.
- Petkov, D.**
Production of phosphate-bonded Dinas refractories from Bulgarian raw materials. 60-00436A
- Petrenko, L. P.** See Kvyatkovskaya, K. K.
- Petrenko, Yu. M.** See Bednosheya, M. A.
- Petri, L.** See Stroe, I.
- Petrin, N. V.; Fomenko, V. A.; and Belenko, S. D.**
Charge for producing Dinas bricks. 60-01425P
- Petroff, Pierre M.** See Dingle, Raymond
- Petropoulos, J.; Hanez, A. J.; and Meunier, H.**
Heat transfer through glass and mold during the glass-forming process: I, Heat transfer at the glass-mold interface during periodic forming process. 60-03545A; Heat transfer through glass and mold during the glass-forming process: II, Computation of temperature fields in glass-forming molds by [the] finite elements method. 60-03546A
- Petrov, A. A.** See Li, V. N.
- Petrov, I.** See Marinov, M.
- Petrov, K. I.** See Tsygankov, V. N.
- Petrov, S. V.** See Bereznoi, A. I.
- Petrov, V. A.** See Dvurechenskii, A. V.; Komlev, V. G.; Zapadaeva, T. E.
- Petrov, Yu. A.** See Sizonenko, A. P.
- Petrova, V.** See Ivanova, Tsv.
- Petrova, V. Z.** See Shuiova, R. F.
- Petrova, V. Z.; Lyubimov, V. K.; and Chilikina, T. D.**
Glass [with dielectric constant 8.8–11 by adding In₂O₃]. 60-04931P
- Petrovskaya, T. P.** See Yanovskii, V. K.
- Petrovskii, G. T.** See Evstrop'ev, K. K.
- Petruchynya, Z. V.** See Levitskii, I. A.
- Pettenpaul, E.** See Burgemeister, E. A.
- Petty, Arthur V., Jr.; and Nevins, D. B.**
Computer program to aid in adjusting particle size distribution. 60-02833A
- Petukhova, A. S.** See Pikunov, M. V.
- Petunina, I. N.** See Musatov, M. I.
- Petuskey, William T.** See Meyers, C. E.
- Petzoldt, J.; and Mueller, G.**
Zerodur—a glass-ceramic material for reflective optics. 60-03721A
- Peuser, Felix Alexander** See Nickel, Hubertus
- Pfander, Lawrence V.**
Method and apparatus for manufacture of glass film. 60-03765P
- Pfefferkorn, H.** See Bangert, H.
- Pfeffermann, O.**
Research on reinforced masonry in Belgium. 60-03846A
- Pfister, Gustav; and Morgan, M. A.**
Defects in chalcogenide glasses: I, The influence of thermally induced defects on transport in a-As₂Se₃. 60-03465A; Defects in chalcogenide glasses: II, The effect of metallic impurities on the transport properties of a-As₂Se₃. 60-03466A
- Pfuhl, H.**
Mechanical production plants for the manufacture and further processing of ceramic sanitary ware articles. 60-02590A
- Phaal, Cornelius**
Method of making sintered metal-diamond aggregates. 60-02050P
- Phable, A. M.**
Some dielectric properties of thin tellurium oxide films. 60-02708A
- Phalippon, Jean** See Bandyopadhyay, A. K.; Jabra, Rafi
- Phalippon, Jean; Jabra, Rafi; and Zarzycki, Jerzy**
New interpretation of internal friction in oxide glasses. 60-00225A
- Phillips, Herbert R.**
Method of improving varistor upturn characteristics. 60-00575P
- Phillips, G.** See Bergmann, H.-W.
- Phillips, D. S.; Heuer, A. H.; and Mitchell, T. E.**
Precipitation in star sapphire: I, Identification of the precipitate. 60-01955A; Precipitation in star sapphire: II, Elastic accommodation of the precipitate. 60-01956A
- Phillips, D. S.; Mitchell, T. E.; and Heuer, A. H.**
Precipitation in star sapphire: III, Chemical effects accompanying precipitation. 60-01957A
- Phillips, J. C.**
Morphology of amorphous semiconductors. 60-03613A
- Phillips, John D.**
Method and apparatus for forming mineral fibers. 60-02411P
- Phillips, William; Nell, Clyde C.; and Hammer, Jacob M.**
Planar optical waveguide comprising thin metal oxide film incorporating a relief phase grating. 60-00364P
- Phillips, William Revell; and Griffen, Dana T. (Editors)**
Optical Mineralogy: The Nonopaque Minerals. 60-03282B
- Piceno, Ascoli** See Genevois, Jean L.
- Pickard, William R.**
Glass batching control. 60-04751A
- Pickel, Susan E. (Editor)**
From Kiln to Kitchen: American Ceramic Design in Tableware. 60-03275B
- Pieh, Stefan; and Czepl, Hubert**
Additive for inorganic binders. 60-04582P
- Pieper, Helmut**
Batch charging of total electric (glass) tanks. 60-04670A; Glassmelting furnace. 60-03754P
- Pierce, Robert R.** See Leah, George R.
- Pierce, William S.** See Dorner, John P.
- Pierret, R. F.** See Martin, S. J.
- Pignet, C.; and Fievet, F.**
Infrared absorption in NiO microcrystals. 60-03108A
- Piggott, Michael R. (Editor)**
Load Bearing Fiber Composites. 60-04480B
- Pikashov, V. S.; and Koren, E. M.**
Experimental setup for determining the integrated normal emissivity of materials with low coefficients of thermal conductivity. 60-01663A
- Pike, John N.**
Fluorescence of mixed powder samples—a six-flux theory. 60-04330A
- Pikunov, M. V.; and Petukhova, A. S.**
Behavior of a foreign particle near a face of a growing crystal. 60-00768A
- Pilastro, F.** See Corato, R.
- Pilcher, Richard**
New mug machine solves decorating problem. 60-02317A
- Pilchowski, Kurt** See Wolf, Friedrich
- Pilgrim, Thomas A.**
Treatment of gypsum plaster. 60-00079P
- Pilipchaitin, L. D.** See Shcheglov, S. I.
- Pilla, O.; Montagna, M.; and Viliani, G.**
Observation of new centers in MgO:Cr³⁺. 60-03136A
- Ployan, G. O.; and Kotlova, A. G.**
Modified differential thermogravimetric analysis of minerals. 60-02846A
- Plyankevich, A. N.; Shapoval, T. A.; and Vitryanuk, V. K.**
Electron microscopic investigation of fracture surfaces of hard alloys based on titanium carbide. 60-01892A
- Pinault, R.; and Daligand, D.**
Studies of the Syndicat National des Industries du Plâtre Technical Commission on methods for determining the need for mixing water and evaluating the setting of gypsum. 60-00049A
- Pinsles, Abraham**
Conversion of a dual-fuel muffled kiln to direct fire. 60-01690A
- Pinsker, G. Z.**
Determining the structural parameters of SiO₂ glass. 60-04702A
- Pipkin, N. J.; Roberts, D. C.; and Wilson, William I.**
Amorbite—a remarkable new cutting material from De Beers. 60-00001A
- Piret, J.** See Mairy, B.
- Pirou, Bernard** See Arashi, Haruo
- Pirogov, Bernard; and Alain, Pierre**
Density of states and structural forms related to physical properties of amorphous solids. 60-00129A
- Pirogov, F. V.** See Sumrov, V. V.
- Pirogov, Yu. A.; and Babkina, L. A.**
Development of a refractory composition for wet-gunning the crowns of open hearth furnaces during furnace operation. 60-01342A
- Pirogov, Yu. A.; Savde'ev, V. N.; and Prokopenko, M. I.**
Development of a quartzite-grog ramming composition for filling the bottoms of steel-casting ladles using a sandslinger. 60-03866A
- Pirtz, D.** See Mehta, P. Kumar
- Pirytko, V. G.** See Andreeva, T. A.
- Pisarchik, M.** See Koudelka, L.
- Piskiewicz, T.**
Interfacial properties of metal-silicon oxide-metal structures in relation to the nonstoichiometry of a thin film dielectric. 60-01540A; See also Leja, E.
- Pishech, I. V.**
Coloring of facing bricks. 60-03826A
- Pishvanova, V.** See Serikova, V.
- Pis'mennaya, Yu. V.** See Frolov, S. T.
- Pistilli, M. F.** See Bobrowski, G. S.
- Pital, N. V.**
Effect of gaseous media on the thermal stability of mullite-containing refractories. 60-05072A; See also Azarenkova, L. E.; Gaido, A. N.; Primenchenko, V. V.; Tolstaya, V. A.
- Pital, N. V.; Fedoruk, R. M.; and Khmelchenko, T. P.**
Calculation of parameters in the production of kaolin refractories with a specific density. 60-00398A
- Pital, N. V.; Ivashchenko, T. V.; and Drizheruk, M. E.**
Preparation of synthetic mullite and its major properties. 60-01384A
- Pital, N. V.; Shulyak, R. S.; and Fedoruk, R. M.**
Reactions of aluminosilicate refractories with blast furnace slag and pig iron. 60-01388A
- Pital, N. V.; Shulyak, R. S.; and Zhukova, Z. D.**
Some factors determining the stability of refractory shafts in blast furnaces. 60-01403A
- Pithois, Ph.; and Robert, Alain**
Usefulness and limits of controls for rotary calcining kilns. 60-04579A
- Pitra, Josef; Hirma, Pavel; and Kutzendorfer, Jaroslav**
Effect of electric field on the corrosion of SnO₂ by fused borax. 60-04308A
- Pitsyuga, V. N.** See Pashchenko, V. P.
- Pitt, A. M.** See Savage, J. A.
- Piva, Renato** See Genevois, Jean L.
- Pivinskii, Yu. E.** See Revz, V. A.
- Pivovarov, S. S.** See Khalilov, V. Kh.
- Pitley, Francis V.**
Practical procedures for drying tests. 60-00389A
- Pizzini, Sergio** See Rustioni, Massimo
- Plamondon, R.; and Gagne, S.**
Influence of diffusion, double layer, and glass conduction on the electrical resistance of open tip glass microelectrodes. 60-05278A
- Plank, Charles J.** See Rubin, Mac K.
- Plantard, Dominique** See Leveque, Marcel
- Plaskett, T. S.; and Herman, D. A., Jr.**
Liquid phase epitaxial films of Mn-Zn spinel ferrites grown under reduced oxygen partial pressures. 60-01544A
- Plastinin, V. M.**
Formation of crystalline phases in protective glass-ceramic (vitreous) coatings in an electrostatic field. 60-04747A
- Platon, F.** See Fargot, D.; Glandus, J. C.
- Platte, James R.**
Presentation from the panel discussion "Taking the lead out"—reducing hazards in the pottery. 60-01487A
- Pleibel, William; and Stokes, R. H.**
Polarization-preserving optical fiber. 60-04987P
- Plesch, G.** See Havir, M.
- Plesch, R.**
Automatic loss correction with X-ray analysis of ceramic materials. 60-05423A
- Pless, W. M.** See Bailey, C. D.
- Plichko, E. P.** See Korobka, L. A.
- Plock, Daniel C.**
System for actuating glass ribbon, cross scoring, and snapping equipment. 60-02454P
- Plocki, Leonard R.** See Gorman, Harold R.
- Plum, Willi** See Mallek, Heinz
- Plunkett, P. V.; Johnson, R. M.; and Wiseman, C. D.**
Stresses in sputter-deposited nickel and copper oxide thin films. 60-01566A
- Pluth, J. J.** See Steele, Ian M.
- Pochinkova, Z. I.** See Portachenko, L. A.
- Podda, Liliana** See Longo, Vittorio
- Podmore, Dennis**
Energy optimization in whiteware drying. 60-01474A; See also Caswell, David J.

- Podobeda, L. G.; Borodal, F. Ya.; and Tkacheva, I. I.**
Porous quartz ceramics. 60-04989P
- Poeze, L. See Zeder, Horst**
- Poeschmann, Helmut; Arnold, Hannelore; and Schumacher, Bernd-Peter**
Black specks in colored titanium enamels. 60-04598A
- Pogosyan, M. A. See Kuznetsov, A. I.; Saringulyan, R. S.**
- Pogosyan, M. A.; Morozova, I. N.; and Kolobkov, V. P.**
Structure and spectral-luminescence characteristics of Na fluorophosphate glasses. 60-04881A
- Pogrebenkov, V. M. See Vereshchagin, V. I.**
- Pohanka, Robert C. See Rice, Roy W.**
- Pohanka, Robert C.; Freiman, Stephen W.; and Rice, Roy W.**
Fracture processes in ferroic materials. 60-04014A
- Pohlert, H.**
Linking of power and heat in the brick and tile industry. Is it worthwhile using a gas turbine? 60-02483A
- Poisson, Bernard. See Girard, Philippe**
- Pokhodnya, I. K.; Ananin, V. P.; and Golovko, V. N.**
Cored electrode. 60-00095P
- Pokrovskii, B. I.; and Mikhailov, Yu. Ya.**
Interaction of the trivalent oxides of scandium and antimony. 60-04355A
- Polesinskii, Zbigniew. See Heflik, Wieslaw**
- Polezhaev, Yu. V.; Romanchenko, V. P.; and Chirkov, I. V.**
Predicted model for erosion damage to composites. 60-02966A
- Polikovskii, M. V.**
Calculation of heat transfer in the spherical packing of high-temperature heaters. 60-01659A
- Polinski, Leon M.**
High temperature-stable catalyst composition. 60-00748P
- Polishchuk, S. A. See Volkova, L. M.**
- Politova, E. D.; and Venetsev, Yu. N.**
Solid solutions based on $PbSc_{1-x}Te_{1-x}O_3$. 60-04423A
- Polivka, M. See Mehta, P. Kumar**
- Pollard, A. M. See Hatcher, H.**
- Pollert, E. See Nevirva, M.**
- Pollert, E.; Nevirva, M.; and Novak, J.**
Phase diagram of the Mn_2O_3 - Cr_2O_3 system in air. 60-01939A
- Polnitskaya, N. K. See Alekseenko, L. S.**
- Polonskii, Yu. A. See Litovskii, E. Ya.**
- Polovnikova, T. N. See Artamonova, G. I.**
- Poluboyarinov, D. N.; Gordova, M. R.; and Kuznetsova, I. G.**
Properties of high-density ceramics from AlN. 60-05682A
- Poluboyarinov, D. N.; Skidan, B. S.; and Balkevich, V. I.**
Effect of heat treatment on the properties of a ZrO_2 ceramic with a granular texture. 60-00415A
- Polukhin, V. N. See Shchavlev, O. S.**
- Polukhin, V. N.; and Shcheglova, Z. A.**
Optical glass. 60-01283P
- Polushkin, Yu. I. See Efimov, A. M.**
- Poluyakov, I. P. See Sokolova, S. E.**
- Polyakov, S. A.; Guzman, I. Ya.; and Balkevich, V. I.**
Effect of the shape of grains of pressed powders on properties of SiC refractories. 60-00418A
- Polyshevskii, V. I.; and Kilpenko, L. I.**
Minerals for the production of decorative glasses. 60-01098A
- Polyshevskii, V. I.; and Masychenko, L. I.**
Chromium aventurin glass. 60-03952A
- Pompe, W. See Kreher, W.**
- Ponce, F. A.; Scifres, Donald R.; and Streifer, William**
Lateral mode stabilization of diode lasers by means of apertured facet reflectors. 60-04026A
- Poncellet, Georges. See Anton, Octavian**
- Ponomarev, I. F.; Gaidzurov, P. P.; and Borodavkina, V. V.**
Crystal-chemical characteristics of Fe-containing C_3S and C_2S [or portland cement] during different conditions of firing and cooling. 60-04521A
- Poole, A. B. See Alford, N. McN.**
- Poon, Siu-Joe. See Johnson, William L.**
- Pope, Alfred H.**
Low-temperature cleaning—a case history. 60-04628A
- Pope, J. M.; and Simkovich, G.**
Solubility of carbon in $BaTiO_3$ at fixed, low oxygen potentials at 800°C. 60-00520A
- Popescu, Georgea; Ibrim, Stelian; and Balasoiu, Horia**
Influence of superplasticizer products on cement pastes and mortars. 60-02135A
- Popil'skii, R. Ya. See Beresnevich, L. A.; Dvinskikh, Yu. V.; Neumecheva, S. N.**
- Popivanova, N. See Ivanova, Tsv.**
- Popov, A. A.; Gorbovtiskii, G. M.; and Mal'yutin, M. R.**
Refractory packing material. 60-05180P
- Popov, A. I.**
Effect of some experimental factors on the physical properties and crystallization kinetics of selenium. 60-03489A
- Popov, E.; Domishlyarova, S.; and Popova, E.**
Effect of humidity, temperature, and surface active agents on the homogeneity of the glass mixture and its stratification during transport. 60-04717A
- Popov, E.; and Pavlova, V. A.**
Al-B anomaly in glasses of the system SiO_2 - B_2O_3 - Al_2O_3 - Na_2O -F. 60-04662A
- Popov, N. V. See Belyi, Ya. I.**
- Popov, S. G.; Levitskii, V. A.; and Skolis, Yu. Ya.**
Thermodynamic stability of CaO - $6Al_2O_3$ and its reaction with oxides of Ti, Cr, and Zr. 60-04455A
- Popova, E. See Popov, E.**
- Popova, O. I.; and Kosolapova, T. Ya.**
Impurities in zirconium carbide powders produced by various methods. 60-01756A
- Popova, T. L.; Kisel, N. G.; and Karlov, V. P.**
Solid phase interactions in the system Bi_2O_3 - RuO_3 . 60-03195A
- Popovkin, B. A. See Demina, L. A.**
- Popovich, Michael J. See Bouchard, Robert J.**
- Popp, G.; and Pabst, Reiner F.**
Effect of loading rate on fracture toughness of SiC at high temperatures. 60-01883A
- Popp, Gerhard; and Held, Gerhard**
Method for control of an open gallium diffusion. 60-00563P
- Poppi, M.**
Traditional firing and fast firing—comparison of heat balances of equivalent kilns. 60-02896A
- Porada, Z.; and Schabowska, E.**
Surface and bulk photoconductivity of $CdS(Cu,Cl)$ thin films. 60-02716A
- Porada, Z.; Schabowska, E.; and Turczak, J.**
Influence of the frequency of the applied voltage on the properties of photoconducting $CdS(Cu,Cl)$ films. 60-01539A
- Porat-Koshits, E. A.**
Modern possibilities and some new results of studying the structure of inorganic glasses by diffraction methods. 60-01100A; See also Aver'yanov, V. I.; Golubkov, V. V.
- Portachenko, L. A.; Struchkov, A. A.; and Pochinkova, Z. I.**
Enamel for magnetic leads made from electric steel. 60-04656P
- Porter, F. G.**
Precision machining of glass components. 60-03642A
- Porteus, J. O. See Souleau, M. J.**
- Porz, Franz; and Martin, Eva**
Characterization of reaction-sintered silicon nitride. 60-04203A
- Posadowski, Witold**
Properties of silicon nitride thin films obtained by reactive sputtering. 60-02693A
- Posner, Aaron S.; Betts, Foster; and Blumenthal, Norman C.**
Formation and structure of synthetic and bone hydroxyapatites. 60-03086A
- Posney, Richard V. See Frank, Robert G.**
- Posnov, N. P. See Gurevich, V. M.**
- Posokhova, E. D. See Orlova, I. G.**
- Postell, James M., Jr.**
Apparatus and methods for forming simulated old brick. 60-03860P
- Postnikov, A. V. See Kotelnikov, D. D.**
- Postnikova, S. P. See Panfilov, R. A.**
- Postupack, Dennis S.; and Sopko, John F.**
Method for improving the alkali durability of metal oxide films formed by pyrolysis. 60-03770P
- Pot, F. M. See Van Konijnenburg, J. T.**
- Potselueva, L. N.**
Temperature dependence of equilibrium viscosity in some alkali-free borate glasses in the range 10^{12} - 10^{13} P. 60-04892A
- Potter, Owen E.**
Alumina production. 60-00679P
- Potter, P. E. See Peatfield, M.**
- Potzel, W. See Jove, J.**
- Pouchard, M. See Boukhari, Ali**
- Poulain, Marcel. See Lecocq, Andre; Poulain, Michel**
- Poulain, Michel; Poulain, Marcel; and Lucas, Jacques**
Comparative study of fluoride glasses in ZrF_4 - BaF_2 - MF_3 ternary diagrams ($M=Na, Ca, Li, Th$; $n=1, 2, 3, 4$). 60-03455A
- Poulos, H. G.**
Normalized deformation parameters for kaolin. 60-01935A
- Povey, W. R.**
Vitreous enameling on glass. 60-03716A
- Powell, Jimmie L.; and Tummala, Rao R.**
Seal glass for nozzle assemblies of an ink jet printer. 60-00373P
- Powell, R. C. See Krol, Denise M.**
- Power, Joseph M.; and Elmer, Thomas H.**
Weathering of gradient-index antireflection films on a borosilicate glass. 60-00298A
- Poynton, James P.**
How to cut pumping costs. 60-04130A
- Pozhidava, A. A. See Andreeva, N. G.**
- Pozzi, Marek. See Kapuscinski, Tadeusz**
- Prakash, Om; and Srivastava, C. M.**
Open die hot-pressing of yttrium iron garnet. 60-00511A
- Prakash, Sri**
Ceramic capacitor with co-fired end terminations. 60-02729P
- Pranevicius, L.**
Structure and properties of deposits grown by ion-beam-activated vacuum deposition techniques. 60-01570A
- Prasad, E.; Sayer, M.; and Vyas, H. M.**
 Li^+ conductivity in lithium niobate-silica glasses. 60-01080A
- Prasad, S. N.; and Samsara, S.**
Further studies on role of tin in copper ruby glass: I, Low temperature viscosity of overmelted glass. 60-03527A
- Pratap, V. See Verma, B. K.**
- Pratt, P. L. See Dagleish, B. J.; Jennings, Hamlin M.**
- Pravdic, V. See Jednacac-Biscan, J.**
- Preda, Maria; Burghelara, Virginia; and Iordache, D.**
Crystallization of glass of the system Na_2O - CaO - Al_2O_3 - SiO_2 to obtain glass-ceramics. 60-01001A
- Preece, Carolyn M. (Editor)**
Treatise on Materials Science and Technology: Vol. 16, Erosion. 60-00869B
- Presley, H. M.**
Axial refractive index depression in preforms and fibers. 60-03437A; Fluorescence profiling of single-mode optical fiber preforms. 60-03513A; Ultraviolet-excited fluorescence in optical fibers and preforms. 60-03714A; See also Cohen, Leonard G.
- Presley, H. M.; and Marcuse, D.**
Direct index measurements of diffused channel waveguides. 60-02265A
- Pretti, S. See Marcello, A.**
- Prevot, A. See Dekkiche, E. A.**
- Prewo, Karl M.**
Discontinuous graphite fiber reinforced glass composites. 60-04236P; High strength, high thermally conductive articles. 60-03758P; See also Bacon, James F.
- Prewo, Karl M.; and Stalcup, Robert K.**
Graphite-glass composite laser mirror. 60-03755P
- Price, James B. See Goldman, Jon C.**
- Price, Stephan**
Round bottle inspector. 60-04854A
- Price, William M.; and Nott, Alan J.**
Magnetic beneficiation of clays utilizing magnetic particulates. 60-00682P; Magnetic separation of minerals utilizing magnetic particulates. 60-00683P
- Priestley, E. B.; and Call, P. J.**
Deposition and characterization of thin SiO_2 films. 60-02621A
- Primachenko, V. V. See Shulyak, R. S.**
- Primachenko, V. V.; Pitak, N. V.; and Kolesnikov, L. M.**
Manufacture of large aluminosilicate refractories by vibration casting. 60-01367A
- Primak, William**
Radiation damage by high-energy neutrons. 60-05384A; X-ray compaction of vitreous silica. 60-04465A
- Priol, N. See Hilger, J. P.**
- Prisyazhnyi, V. D. See Lesnichaya, T. V.**
- Prochazka, Svante**
Synthesis of mixed oxide composition. 60-04267P; See also Cusano, Dominic A.; Greskovich, Charles D.
- Prochazka, Svante; Greskovich, Charles D.; and Charles, Richard J.**
Sintering of silicon nitride using Be additive. 60-00765P
- Procter, James W.**
Process for the manufacturing of colored clay products. 60-01326P
- Proffitt, William G.**
Process of defining film patterns on microelectronic substrates by air abrading. 60-01626P
- Profilo, B. See Hreglich, S.**
- Prokhorova, G. N.; and Boiko, G. V.**
Polymorphic transformations of alumina with additives. 60-05676A
- Prokof'eva, E. A. See Gutman, V. I.**
- Prokof'eva, N. K. See Koshchenko, V. I.**
- Prokopal, O. I. See Panich, A. E.; Raevskii, I. P.**
- Prokopenko, M. I. See Pirogov, Yu. A.**
- Proks, Ivo. See Adamkovicova, Katarina**
- Pronkin, A. A.**
Transport number and mobility of Na and K ions in two glasses of composition $0.13(Na_2O + K_2O) \cdot 0.87SiO_2$. 60-04900A
- Pronkin, A. A.; Il'in, A. A.; and Narayev, V. N.**
Effect of MgF_2 on the properties of glasses in the system $Ba(PO_3)_2$ - MgF_2 . 60-04714A
- Pronkin, A. A.; and Tarakanov, Yu. P.**
IR spectra of glasses in the systems $0.2Al(PO_3)_3 \cdot 0.8(LiF + MF)$ where $M=Na$ or K . 60-04780A
- Propster, Mark A.**
Feeding agglomerates to a glassmelting furnace. 60-04926P; See also Seng, Stephen
- Proskurnya, G. Yu. See Kukolev, G. V.**
- Proskurnyakov, M. V. See Efimov, A. M.**
- Proskurnyakov, L. M.; Biryukova, T. V.; and Zvyorkina, E. K.**
Formation of ceramic materials based on layered ferroelectric substances. 60-05275A
- Prosser, Howard J. See Wilson, Alan D.**
- Prostyakov, I. V. See Akinov, V. G.**
- Prosychev, I. I.; Lazarev, V. B.; and Shaplygin, I. S.**
Phase diagram of the system V_2O_5 - Rb_2O_3 . 60-01942A
- Prosychev, I. I.; and Shaplygin, I. S.**
Interactions in the system BaO - RuO_3 . 60-05635A
- Protasova, V. I. See Kharchenko, L. Yu.**
- Proyanenko, V. See Mukhina, L. L.**
- Prudenza, M.**
Determining the performance index of a glassmelting furnace. 60-00134A
- Pruszkowski, K. See Chacielewska, A.**
- Przaczak, Richard**
Trends in development of the glass and ceramic industries in Poland. 60-04901A
- Przyborowski, F. See Goranchev, B.**
- Phenichnaya, O. V.; and Kislyi, P. S.**
Effect of ceramic additives on the recrystallization of $MoSi_2$. 60-04306A
- Ptak, W. See Handke, Mirosław**
- Puech, Brigitte. See Papuchon, Michel**
- Puerta, M. See Cho, S. A.**
- Pujari, V. K. See Biswas, Dipak R.**
- Pukh, V. P. See Baikova, L. G.**

- Pukhov, V. A.** See Kovshar, V. N.
Puls, M. P.
 Vacancy-dislocation interaction energies in MgO. 60-00848A
- Pulver, J. C.** See Frechette, Van Derck
Purcell, R. W.
 Soda ash market trends. 60-03668A
- Purdy, Gary R.** See Krstic, Vladimir D.
Purser, Kenneth H.
 Mass and charge analysis. 60-04152A
- Pushkarov, N.** See Ermolenko, N. N.
Putland, D. E. See Debenham, M.
Putnam, A. A.
 Combustion noise in the hand-glass industry. 60-03454A;
 See also Ball, D. A.
- Puyane, Ramon; James, Peter Finlay; and Rawson, Harold**
 Preparation of silica and soda-silica glasses by the sol-gel process. 60-01134A
- Puyane, Ramon; and Trojer, Felix**
 Refractory wear and wettability by glass at high temperatures. 60-04847A
- Pyatnova, L. V.** See Novosadov, V. K.
Pyatlikov, P. D.
 Mineral formation by reaction between the components of magnesite-chromite bodies and CaO. 60-05096A
- Pyun, Su-Il**
 High-temperature electrical conductivity of CaO-partially stabilized ZrO₂. 60-05624A
- Qi, Chang-hong** See Chen, Shu-chun
Quadackers, Willem-Josef See Lugscheider, Erich
Quetier, Monique See Contre, Michel
Quinn, George D. See Messier, Donald R.
Quinn, T. F. J. See Rowson, D. M.
Quinten, Reiner See Bauer, Karl-Heinz
Quitkat, Wolfram G.
 Method of calculating sinterable materials to form cement clinker. 60-02214P
- Quon, D. H. H.; and Malhotra, V. M.**
 Performance of high alumina cement concrete at elevated temperatures. 60-00038A
- Quon, D. H. H.; Wheat, T. A.; and Nesbitt, W.**
 Synthesis, characterization, and fabrication of Na₂(ZrSi₂P₂O₁₂). 60-01571A
- Raber, Peter E.** See Krohn, David A.
Rabinovich, Eliezer M.; Ish-Shalom, M.; and Kisilev, Anna
 Metastable liquid immiscibility and Vycor-type glass in phosphate-silicate systems: I. Na₂O-P₂O₅-SiO₂ system. 60-00214A; Metastable liquid immiscibility and Vycor-type glass in phosphate-silicate systems: II. Substitution of Li⁺ and R⁺ for Na⁺ in glass of Na₂O-P₂O₅-SiO₂. 60-00215A
- Rabotnov, V. T.** See Kotelnikov, D. D.
Rabson, T. A. See Bienvu, M. P.
Rabuel, P.
 Use of heat exchangers in the brick and tile industry. 60-01323A
- Rabukhin, A. I.** See Keshishyan, T. N.
Raccanello, Alvise See Maddalena, Amedeo
Rachkovskaya, G. E.; and Khomich, E. V.
 Structure of glasses in the system P₂O₅-V₂O₅-Nb₂O₅-TiO₂. 60-04884A
- Rachor, Lothar** See Hrovat, Milan
Radford, Charles; and Underhill, Douglas E.
 Experience of technical education with personnel of nonindustrial countries. 60-03252A
- Radhakrishna, M.** See Panwar, O. S.
Radhakrishnan, M. See Mangalaraj, D.
Radic, I.
 Increasing the output of dry-process rotary kilns for cement production. 60-02131A
- Radkova, A.** See Kukusheva, M.; Sivova, R.; Vergilov, V.
Radonjic, Vjera; and Bujak, Damjan
 Effect of Zr compounds on the quality of sintered magnesite obtained from dolomitized magnesite. 60-03883A
- Raeva, I. S.** See Bron, V. A.
Raevskii, I. P.; Reznichenko, L. A.; and Prokopalo, O. I.
 Phase transitions and electrical properties of ferroelectric solid solutions based on NaNbO₃. 60-04392A
- Raghavan, R.; Thomas, R. R.; and Miller, R. E.**
 Glass batch pelletizing and pollution capture studies in pellet beds. 60-02290A
- Rahman, M. N.; Riley, F. L.; and Brook, R. J.**
 Mechanisms of densification during reaction hot-pressing in the system Si-Al-O-N. 60-00720A; Reaction sintering and the α-Si₃N₄/β'-sialon transformation for compositions in the system Si-Al-O-N. 60-04409A
- Rahman, A.; and Mahanta, P. C.**
 Dielectric properties of vacuum-deposited bismuth oxide films. 60-01521A
- Rahman, A. Atikur** See Gimblett, Gareth
Rahman, S. F.; and Day, Delbert E.
 Properties of refractories after exposure to high pressure gases: I. Survey of commercial products. 60-03902A
- Rahnamai, Hamid; Gray, H. J.; and Zemel, Jay N.**
 PbS-Si heterojunction: I. Growth and structure of PbS films on silicon. 60-02681A
- Rahrig, Donald D.** See Hagedorn, Floyd T.; Revells, Robert G.
Rahter, John M.
 Recent design changes in pebble mills. 60-01653A
- Rai, H. L.; Agrawal, G. N.; and Joshi, V. C.**
 Sintering of alumina in presence of talc and TiO₂ + MnO₂ mixture. 60-01974A
- Rai, Mohan** See Dhariyal, K. D.
Raikhel, F.; Tairou, Yu. M.; and Travazhyan, M. G.
 Kinetics of crystallization of silicon carbide. 60-05645A
- Raina, K.** See Sakai, Etsuo
Raina, S. J.; and Viswanathan, V. N.
 Role of volatiles in cement clinker burning and kiln operation. 60-04564A
- Raistrick, I. D.** See Gur, T. M.
Raj, Rishi
 Morphology and stability of the glass phase in glass-ceramic systems. 60-03612A; See also Dalal, K. H.
- Rakov, E. G.; and Yagodin, G. A.**
 Accuracy of spectroscopic methods for estimating heat of decomposition. 60-05554A; Spectroscopic methods for estimating heats of decomposition. 60-05703A
- Rakova, E. V.** See Semiletov, S. A.
Ramachandran, B. E.; Balasubramanian, N.; and Rao, G. V. Subba
 Effect of organic acids on E-glass fabric. 60-04720A
- Ramachandran, B. E.; Pal, B. C.; and Balasubramanian, N.**
 Structural stability of high silica fabric. 60-00279A
- Ramachandran, V. S.**
 Differential thermal method of estimating calcium hydroxide in calcium silicate and cement pastes. 60-03348A; Unsoundness of cements containing MgO and CaO. 60-02197A
- Ramakrishnan, P.** See Lal, Ramji
Raman, A. See Vitina, I.
Ramesohl, Hubert See Brachthaeuser, Kunibert; Herchenbach, Horst
Ramesohl, Hubert; Herchenbach, Horst; and Schroeder, Karlheinz
 Apparatus for cooling of cement clinker. 60-03392P
- Ramm, E. J.; and Ferency, J. J.**
 Impact behavior of Synroc. 60-04485A
- Ramsden, A. H.** See Isard, J. O.
Ramsland, Arnold C.
 Automated purity determination by stepwise melting in differential scanning calorimetry. 60-02829A
- Rana, A.** See Evans, A. G.
Rancourt, James D. See Beauchamp, William T.
Rand, Glenn
 Cyanotype [blueprint] on clay. 60-00888A
- Randich, Erik**
 Chemical vapor deposited borides of the form (Ti,Zr)B₂ and (Ta,Ti)B₂. 60-01773A
- Range, K. J.** See Abriel, W.
Ranson, Andre See Guerdet, Pierre
Ranze, W.
 Requirements for the electrical equipment of cement works using coal as fuel. 60-02184A
- Rao, B.** See Mittra, S. K.
Rao, G. R. Mohan
 MOS integrated circuits with implanted resistor elements. 60-02743P
- Rao, G. V. Subba** See Ramachandran, B. E.
Rao, J. M. See Gancy, A. B.
Rao, K. J. See Mohan, R.
Rao, M. R. K. See Ray, K. C.
Rao, M. Rama; Patro, A. P.; and Sen, P.
 Electric-field effect on positronium formation and decay in some polymers and fused quartz. 60-04730A
- Rao, Prabhakar P.; and Sutton, David L.**
 Method and apparatus for nondestructive testing of cement. 60-03401P
- Rao, R.** See Nandi, D. N.
Rao, S. V. K. See Kulkarni, A. K.; Zope, B. D.
Rao, V. Durga Nageswar
 Crystalline additive for magnesium alumina silicate. 60-00742P; Fabrication of rotary heat exchangers made of magnesium aluminum silicate glass-ceramic. 60-01231P
- Rao, W. Ram**
 Refractories for the sheet glass industry. 60-04846A
- Rappaz, M.; Bontner, L. A.; and Abraham, M. M.**
 EPR investigations of Gd³⁺ in single crystals and powders of the zircon-structure orthophosphates YPO₄, ScPO₄, and LuPO₄. 60-03064A
- Rashad, Hasan** See Mohammad, Sohail
Rashevskaya, E. G. See Ostapenko, M. Ya.
Rashin, G. A.; Rashina, E. P.; and Rokhlin, N. N.
 Detection of flaws in High-Grade and Container Glass (Diagnostika Porokov Sortovykh i Tarnykh Stekol). 60-05751B
- Rashina, E. P.** See Rashin, G. A.
Ratnikova, I. D.; Korenev, Yu. M.; and Novoselova, A. V.
 Interaction of the tetrafluorides of zirconium and hafnium with strontium fluoride. 60-01911A
- Rau, F.** See Abriel, W.
Rau, Karlheinz; Muehlich, Albert; and Simmat, Fritz
 Method for the production of semiproduct for the production of light-conducting fibers. 60-01267P
- Rauch, Harry W.** See Fedarko, William
Rauschenbach, Bernd; and Hinz, Wilhelm
 Segregation at microscopic scale tips in glass. 60-04856A
- Ravaine, Denis** See Ribes, Michel
Ravaine, Denis; and Leroy, Dominique
 Electrical transport properties of new ZrF₄-based glasses. 60-00148A
- Ravaine, Denis; and Souquet, Jean Louis**
 Thermodynamic approach to ionic conductivity in oxide glasses: II. Statistical model for variations of the chemical potential of the constituents in binary alkali oxide glasses. 60-03705A
- Raveau, B.** See Goreaud, Michel
Ravel, M. F. See Krill, G.
Ravez, J. See Sadel, A.
Ravina, Dan
 Optimized determination of PFA (fly ash) fineness with reference to pozzolanic activity. 60-02166A
- Ravindra, N. M.** See Gupta, V. P.
Ravies, William T.; and Jenkins, Kenneth
 Rotary furnace for the fusion of mineral bearing substances, apparatus, and method. 60-00671P
- Rawlings, R. D.** See Dalgleish, B. J.
Rawson, Harold (Editor)
 Glass Science and Technology: 3, Properties and Applications of Glass. 60-03276B; See also Puyane, Ramon
Ray, Animesh See Das, Amarendra
Ray, Asit K.; and Reisman, Arnold
 Semiconductor plasma oxidation. 60-01630P
- Ray, K. C.; Sen, P. C.; and Rao, M. R. K.**
 Hydration resistance of sintered dolomite. 60-05627A
- Ray, Michael C.; and De Jonghe, Lutgard C.**
 Reduction kinetics and microstructures of Al³⁺-containing cobalt ferrites. 60-00824A
- Ray, Silpa P.; Stubeian, Vladimir S.; and Cox, D. E.**
 Neutron diffraction investigation of Zr₂Y₂O₇. 60-01931A
- Rayl, Layton L.**
 Lightweight insulating structural concrete. 60-03395P
- Raymon, Nancy S.** See Sadler, Leon Y., III
Raymond, L.; and Romano, T.
 Review of and future trends in nondestructive evaluation of metal matrix composites. 60-00772A
- Razgos, E. S.; Gens, A. M.; and Varfolomeev, M. B.**
 Complex titanates of barium and lanthanum. 60-03045A; Titanates of barium and some of the rare earth elements. 60-03239A
- Razin, V. L.** See Milonich, S. K.
Razdolny, Z. N. See Orlov, I. G.
Razmorskaya, I. V. See Mukhina, L. L.
Razmorskaya, O. N. See Kuleshova, T. B.
Rende, Richard F.
 Nontoxic frits for decorating glass, glass-ceramic, and ceramic articles. 60-00359P; Stable, chemically-strengthenable lithium aluminosilicate glasses. 60-02451P
- Reagan, William J.** See Chen, Nai Y.
Rechter, Harold L.
 Aluminous refractory compositions containing carbon, silicon, and chrome oxide. 60-01418P
- Reddy, K. P. R.; and Cooper, A. R.**
 Oxygen diffusion in magnesium aluminate spinel. 60-04378A
- Reddy, N. K.** See Mukerji, Joydeb
Reddy, P. K.; and Jawalekar, S. R.
 Improved properties of TaN-Ta₂O₅-Al capacitors. 60-01537A
- Reed, James S.** See Brewer, J. Anthony
Reed, Robert D.; and Goodnight, Hershel E.
 Gas burner for flame adherence to tile surface. 60-00665P
- Reeder, Harvey W.**
 C-4 on vitrified clay pipe—after 75 years, still going strong. 60-03824A
- Reese, Thomas J.**
 Aligning glass sheets on an outline mold prior to transfer to shaping mold. 60-04910P
- Reese, Thomas J.; and Fisher, Joseph J.**
 Use of speed changes during cycling of a shaping mold. 60-03819P
- Reese, Thomas J.; and Rodgers, Edward R.**
 Attaching flexible cover to mold for shaping glass. 60-03729P
- Reese, Thomas J.; and Thomas, Dean L.**
 Method of bending glass sheets in unison to complicated shapes. 60-03777P
- Reeve, K. D.; and Woolfrey, J. L.**
 Accelerated irradiation testing of Synroc using fast neutrons: I. First results on barium hollandite, perovskite, and undoped Synroc B. 60-02797A
- Reeve, M. H.** See France, P. W.
Reeves, C. P. See Hardman, Brendan
Reformat, N. F. See Belopol'skii, M. S.
Reft, C. S.; Becker, J.; and Kernell, R. L.
 Proton-induced degradation of VUV [vacuum ultraviolet] transmission of LiF and MgF₂. 60-01960A
- Regourd, M.** See Hornain, H.
Reh, H. H. J.
 Design—the most important link between the ceramic industry and its market. 60-04501A
- Rehfeld, A.; and Katschmann, R.**
 Color development and kinetics for cadmium chalcogenide containing colored glass. 60-03452A
- Reich, Harry; and Coney, Joseph J.**
 Process for plant scale production of cement with mechanical compounding. 60-00067P
- Reifenstein, H.** See Keucher, J.
Reimann, Hartwig See Lugscheider, Erich
Reinmann, Thomas V.
 Filter assembly for high temperature glass fiber filter media. 60-04927P
- Reinckling von Bock, Gisela**
 Wim Muehlendyck—his 75th birthday. 60-04507A

- Ricci, N.
Coal—energy safe from crisis for the cement industry. 60-04515A
- Reinhardt, Erik
Rotary kiln. 60-02907P
- Reipel, A. I. See Arkhlov, I. I.
- Reisfeld, Renata; and Kalisky, Yehoshua
Improved planar solar converter based on uranyl neodymium and holmium glasses. 60-04770A
- Reisman, Arnold See Ray, Asit K.
- Reisse, Guenter See Erler, Hans Joerg; Weissmantel, Christian
- Rejda, B. V. See Peelen, Jan G. J.
- Rekhson, Simon M.
Viscosity and stress relaxation in commercial glasses in the glass transition region. 60-00295A
- Relis, M.; and Soroka, I.
Compressive strength of low-porosity hydrated portland cement. 60-00020A; Limiting values for density, expansion, and intrinsic shrinkage in hydrated portland cement. 60-02147A
- Remezova, T. See Kuz'min, L. I.
- Remi, Jean-Pierre See Kiehl, Jean-Pierre
- Remi, Jean-Pierre; and Gehin, Guy
Insulating slab of refractory fibers. 60-02549P; Thermally insulating slabs made of refractory fibers for the insulation of furnaces. 60-02574P
- Remmey, Francis B.
Shock-resistant extruded and hand-molded kiln cartop refractories. 60-01402A
- Renger, P.; and Jahn, E.
Hydrated glasses as catalysts for the cyclodimerization of butadiene-1,3. 60-03549A
- Repko, V. P. See Oleviski, S. S.
- Reshetnikova, L. P. See Filatova, T. G.
- Rester, D. H. See Chivian, J. S.
- Retajczyk, T. F., Jr.; and Sinha, A. K.
Elastic stiffness and thermal expansion coefficient of BN films. 60-02631A; Elastic stiffness and thermal expansion coefficients of various refractory silicides and silicon nitride films. 60-02632A
- Reul, H.
Detection of admixtures in hardened concrete. 60-02098A
- Reunamaki, P.
Temperature control of oscillating horizontal tempering furnaces. 60-03699A
- Reusser, Raymond E. See Lavigna, Robert J.
- Reuter, Gerhard; Schnabel, Wolfram; and Lausch, Herbert
Process of calcining limestone in a rotary kiln. 60-03412P
- Reuther, James J.
Combustion of alternative natural and synthetic fuels. 60-00646A
- Revak, Timothy T. See Anand, Joginder N.
- Revels, Robert G. See Hagedorn, Floyd T.
- Revels, Robert G.; and Rahrig, Donald D.
Glass sheet supporting and conveying apparatus. 60-00327P
- Revzin, G. E. See Sennikov, S. G.; Vereshchagin, V. I.
- Revzin, G. E.; Sennikov, S. G.; and Volkova, L. V.
Charge for producing refractory wares. 60-05159P; Refractory material from corundum or Al_2O_3 . 60-01455P
- Reynolds, Clive
Metal release from tableware. 60-01482A
- Reynolds, Elizabeth H. See Swift, Harold E.
- Reynolds, George H. See Kae, James L.
- Reynolds, Jack B.; and Amos, Charles R.
Process for the production of dead burned refractory magnesite. 60-02560P
- Rzeplina, Z. I. See Shorina, N. K.
- Reznichenko, L. A. See Raevskii, I. P.
- Reznik, V. Yu. See Dvurechenski, A. V.
- Reznitskii, L. A. See Viting, L. M.
- Reznitskii, L. A.; Fadeeva, V. I.; and Zel'manovich, Ya. I.
Heat of transformation of α - CaO to β - CaO . 60-04342A
- Rheims, Michel A.
Method of manufacturing porous, water-permeable and not frost-susceptible terra cotta pavings usable as ground coating and pavings thus obtained. 60-02506P
- Rhett, Chester K.
Molten glass feeding bowl. 60-03791P
- Rhodes, Frederick D. See Rywak, Donald E.
- Rhodes, William H.
Agglomerate and particle size effects on sintering yttria-stabilized zirconia. 60-01842A; Controlled transient solid second-phase sintering of yttria. 60-01858A
- Ribbe, Paul H. (Editor)
Reviews in Mineralogy: Vol. 5, Orthosilicates. 60-03291B
- Ribes, Michel; Ravaine, Denis; and Souquet, Jean Louis
Synthesis, structure, and ionic conduction of new glasses with sulfide base. 60-03697A
- Ricard, Jean; and Excoffon, Charles
Processes for deposition of thin films of crystalline silicon on graphite. 60-01627P
- Ricau, Marcel
Energy—advantages and disadvantages of recycling glass industry wastes. 60-00154A
- Riccardiello, F. See Longo, Vittorio
- Rice, Hal H.
Method for low pressure forming of fused silica compositions and resultant bodies. 60-00461P; See also Mitchell, Harry R.
- Rice, James R.; and Chuang, Tze-Jer
Energy variations in diffusive cavity growth. 60-01893A
- Rice, Roy W. See Dutta, Sunil K.; Pohanka, Robert C.
- Rice, Roy W.; and Freiman, Stephen W.
Grain-size dependence of fracture energy in ceramics: II. Model for noncubic materials. 60-04339A
- Rice, Roy W.; Freiman, Stephen W.; and Becher, Paul F.
Grain-size dependence of fracture energy in ceramics: I. Experiment. 60-04338A
- Rice, Roy W.; Mecholsky, John J., Jr.; and Becher, Paul F.
Effect of grinding direction on flaw-character and strength of single crystal and polycrystalline ceramics. 60-04309A
- Rice, Roy W.; Pohanka, Robert C.; and McDonough, W. J.
Effect of stresses from thermal expansion anisotropy, phase transformations, and second phases on the strength of ceramics. 60-00784A
- Richard, Gerard Y.
Method for hardening a composition particularly intended for making foundry cores and molds. 60-05169P
- Richardson, J. F. See Farooqi, S. I.
- Richardson, R. T.
Convenient method for small-scale preparation of some ferrites. 60-01515A
- Richter, Edgar See Kolitsch, Andreas
- Richter, G. See Hopf, W.
- Richter, Herbert
Slow crack growth and lifetime prediction. Comparison between calculation and experiment. 60-05699A
- Richter, L.; Bader, S. D.; and Brodsky, M. B.
Ultraviolet, X-ray-photoelectron, and electron-energy-loss spectroscopy studies of $LaCoO_3$ and oxygen chemisorbed on $LaCoO_3$. 60-03243A
- Richter, Volkmar
Improvements in the determination of particle size distribution from linear analysis data. 60-00636A
- Rickerby, D. G.
Theoretical aspects of the statistical variation of strength. 60-01998A
- Rickerby, D. G.; and Macmillan, N. H.
Effect of approach direction on damage in MgO due to spherical particle impact. 60-01880A
- Riddell, John M.; and Schultz, William W.
Rotary fiber forming spinner. 60-04997P
- Rideal, Graham R. See Ballard, Denis G. H.
- Riedel, R.
Counterflow kilns. 60-01307A
- Riedling, K. See Olcayut, F.
- Rieger, Konrad C.
What raw materials can do to cut energy consumption. 60-01497A
- Rieger, W.
Mechanization of brickworks and the limits of profitability. Is the brick and tile industry already overmechanized? 60-05026A
- Rieke, K. See Ferrari, R.
- Rieser, Elmer P.
Environmental control for mineral fiber-forming. 60-00320P; See also Glaser, H. I.
- Riess, I.; Braunshtein, D.; and Tannhauser, D. S.
Density and ionic conductivity of sintered $(CeO_3)_{0.9}(GdO_3)_{0.1}$. 60-05589A
- Rife, J.; and Osantowski, J.
Extreme ultraviolet properties of two SiO_2 -based low-expansion materials. 60-02277A
- Rigby, F. See Ainscough, J. B.
- Righini, Valeria
Marked Aco- and Sarius-type pottery at Faenza. 60-03323A
- Riley, F. L. See Kuwabara, M.; Rahaman, M. N.
- Riley, John E., Jr.
Analysis of ceramic semiconductor packages for trace uranium by fission track counting. 60-05420A
- Riley, Richard E.; and Turner, Bradley D.
Cermets resistor and method of making it. 60-05307P
- Rinchinov, E. Zh. See Sanditov, D. S.
- Rindone, Guy E. See Kreidl, Norbert J.; Kumar, B.; Kumar, Binod; Shinkai, Norihiko
- Ringwood, Alfred E.
Treatment of high level nuclear reactor wastes. 60-05406P
- Rinkes, Hans; and Joseph, Werner
Method and apparatus for melting frits for inorganic oxide surface coatings by electric resistance heating. 60-02902P
- Rion, Richard G.
Alternatives for handling porcelain enamel [solid] wastes. 60-02222A
- Riquier, Y. See Gohy, C.
- Risager, Svenn; and Frederiksen, V. T.
Unreinforced brick masonry vaults—laboratory tests and practical examples. 60-03858A
- Risbud, Subhash H. See Aadland, John D.
- Rising, Robert See Scott, James R.
- Rissmann, Heinz-Bernd See Roth, Mario
- Ristic, M. M. See Nikolic, Z. S.
- Ritchie, T.
Residual stress in clay bricks. 60-03847A
- Ritsko, Joseph E. See Martin, Brice E.
- Ritter, Elmar
Properties of optical film materials. 60-02332A
- Ritter, John E., Jr. See Fuller, E. R., Jr.; Humenik, James N.; Jakus, Karl
- Ritter, John E., Jr.; Bandyopadhyay, N.; and Jakus, Karl
Statistical reproducibility of dynamic and static fatigue experiments. 60-05450A
- Ritter, John E., Jr.; Greenspan, David C.; and Palmer, R. A.
Use of fracture mechanics theory in lifetime predictions for alumina and bioglass-coated alumina. 60-02978A
- Ritter, John E., Jr.; Jakus, Karl; and Batakis, A.
Appraisal of biaxial strength testing. 60-00106A
- Ritter, John E., Jr.; Oates, P. B.; and Fuller, E. R., Jr.
Proof testing of ceramics: I. Experiment. 60-00819A
- Ritzmann, Attila; Buhl, Christian; and Lutz, Wolfgang
Behavior of aluminosilicates under hydrothermal conditions in an alkaline medium. 60-05566A
- Ritzmann, Horst; Bauer, Klaus; and Schmits, Heinz-Herbert
Processes and apparatus for the heat treatment of fine-grained material. 60-03413P
- Rivkin, V. See Vusevker, Yu. A.
- Rizzo, G.; De Diana, G. C.; and Guadagnino, E.
Volumetric determination of S in amber glasses and slags. 60-01198A
- Robbins, John C.; and Kinrade, John D.
Method for uranium determination. 60-02867P
- Robbins, Thomas R.
Reactor and fuel assembly design for improved fuel utilization in liquid moderated thermal reactors. 60-02816P
- Robert, Alain See Pithois, Ph.
- Robert, Francis; Teze, Andre; and Herve, Gilbert
Crystal structure of $K_2(B_2Si_2O_7) \cdot 9H_2O$. 60-05583A
- Robert, Guy See Malugani, Jean Pierre
- Roberts, D. C.
Synthite [polycrystalline diamond]—its mechanical and physical properties. 60-00004A; See also Pipkin, N. J.
- Roberts, Melvin N., Jr.
Fuel savings on remodeled lehrs. 60-02287A
- Roberts, Michael G. See Marzocchi, Alfred
- Robertson, John
Electronic structure of lead glasses and resonant covalence in glasses. 60-01036A; Electronic structure of model lead glasses. 60-03499A; Ionity and coordination of glasses. 60-03570A; See also Taylor, Richard Hamilton
- Robertson, R. H. S. See Keeling, P. S.
- Robertson, Wayne M.
Thermal etching and grain-boundary grooving of silicon ceramics. 60-02006A
- Robichaud, Roger E. See Higgins, Robert W.
- Robins, G. A. See Capon, A.
- Robinson, M. R.
1980-1981—a slow start for a new decade. 60-02460A
- Roblin, M. L. See Gaggioli, N. G.
- Robson, B. See Florry, J. S.
- Robson, P. N. See Westbrook, L. D.
- Rockett, Thomas J. See Thakore, Nayan C.; Yuh, Shang Jung
- Rockwell, Dale L.
Method of forming fusion cast refractories. 60-05171P
- Rodgers, Edward R. See Reese, Thomas J.
- Rodrigues, D. C. S. See De Biasi, R. S.
- Rodriguez, G.
Hans Coper in the Heijens Museum. 60-04503A
- Rodriguez, T. See Sanz Maudes, J.
- Rodriguez, T.; Sanz Maudes, J.; and Dehesa, C.
Anomalous photoconcurrent in SnO_2 -Si heterojunction solar cells. 60-01509A
- Roebke, Wolfgang; Kneitel, Dieter; and Parr, Erfried
Process for the production of aluminum silicates. 60-00690P
- Roebuck, B. See Almond, E. A.
- Roeschlaub, John G.; and Hopkins, Ivan J.
Method for recycling the water used in a process for recovering glass from municipal waste. 60-04963P
- Roeschmann, P.
Site preference of iron, gallium, and aluminum in quasi-binary mixed garnets. 60-03194A
- Roesner, B. See Fronz, V.
- Roger, Françoise M. M. See Boudot, Jean E.
- Rogers, Philip Sydney See Weston, R. M.
- Rogl, Peter
Crystal structure of URu_2B_2 . 60-05360A
- Rogovoi, M. I. See Gorlov, Yu. P.
- Rogozin, V. D.; Trudov, A. F.; and Lebedev, V. V.
Piezoceramic electric-conducting composition. 60-05332P
- Robatgi, P. K. See Patel, M.; Surappa, M. K.
- Rohr, Frank J. See MacZura, George
- Rojo, Juana E. See Tu, Hosheng
- Rokhlin, N. N. See Rashin, G. A.
- Rolov, B. N. See Bystrov, V. S.
- Romanchenkov, V. P. See Polezhaev, Yu. V.
- Romanenko, D. A. See Nesterenko, P. S.
- Romano, T. See Raymond, L.
- Romanov, A. See Gokhshtein, Ya. P.
- Romanov, G. P.; and Kareev, Yu. P.
Use of local raw materials for the production of ceramic facing tiles. 60-05232A
- Ronen, Y.
Effect of γ radiation on photochromic glass. 60-04713A
- Rongved, L.; Kurkjian, Charles R.; and Geyling, F. T.
Mechanical tempering of optical fibers. 60-01090A
- Roos, A. See Krol, Denise M.
- Roos, W.
Formation of chemically coprecipitated barium ferrite. 60-00794A
- Ropars, F.; Delaunay, G.; and Despujols, J.
Energy distribution of electrons emitted by metal-insulator-metal thin film samples ($Al/SiO_2-B_2O_3/Au$). 60-01532A
- Ropke, A. See Gallet, P.
- Ros, J. P. M. See Krol, Denise M.
- Rosauer, Elmer A. (Editor)
Instruments for Materials Analysis. 60-05755B
- Rosca, Ioan; and Ivascan, Natalia
Production of ceramic catalyst carriers used in petrochemistry. 60-05517A

- Rose, B. H. See Klaffky, R. W.
- Rose, Philip George See Boder, Horst
- Rosenhauer, Allan See Hendricks, Charles D.
- Rosenhauer, Allan; Koo, Jackson C.; and Dresler, John L. Method for producing small hollow spheres. 60-03775P
- Rosenhauer, Allan; and Willis, J. B. Photoacoustic absorption measurements of optical materials and thin films. 60-05286A
- Rosenfield, Alan R. See Shetty, Dinesh Kumar
- Rosenhauer, Matthias See Woermann, Eduard
- Rosinski, Edward J. See Rubin, Mac K.
- Rosinski, F. F.; Shcheglova, O. V.; and Sobolev, E. V. Glass for controlling luminous fluxes. 60-04944P
- Rosner, John C. See Pavlovich, R. D.
- Rosplock, Sara E. See Flannery, James E.
- Ross, C. Philip See Utsler, Robert E.
- Ross, H. G.; and Malani, N. Fining studies of clear glass using a hot stage microscope. 60-00162A; Fining studies of clear glass using a hot-stage microscope. 60-03509A
- Ross, R. H. See Lawlor, John B.
- Ross, T. A. See Elksitis, A.
- Rosser, William J. N. See Stewart, Clive E. E.
- Rossington, David R. See Frechette, Van Derck
- Roskopf, Philip A. See Moitra, Santanu
- Rossmann, Axel See Betz, Wolfgang; Huether, Werner
- Rostenko, K. V. See Bazylok, I. A.
- Rotenberg, B. A. See Nenasheva, E. A.
- Roth, Mario See Linberg, Waldemar
- Roth, Mario; Pagel, Werner; and Rissmann, Heinz-Bernd Apparatus for the automatic unfastening of glass sheets suspended from pincer-like gripping machines. 60-04917P
- Roth, Mario; Pagel, Werner; and Schmidt, Guenther Apparatus for transporting sheets of glass in a vertical position. 60-01215P
- Roth, Mario; Winandy, Johann; and Siemonsen, Hans P. Apparatus and process for simultaneous thermic glass sheet hardening. 60-01207P
- Roth, Robert S. See Cava, R. J.
- Rothberg, Henry M. Hydraulic cement adhesive compositions. 60-00059P
- Rother, Wolfgang See Goldmann, Wolf
- Rothman, Herbert Bear Everything you want to know about semibulk containers. 60-01651A
- Rotinyan, A. L.; Filatov, V. P.; and Tsbizov, G. V. Porcelain of Novogorod: History of the Proletarny Porcelain Plant (Novogorodskii Farfor: Istoriya Farforovogo Zavoda Proletarny). 60-05757B
- Rottlaender, Rolf C. A. See Knoll, Heinz
- Rotych, N. V. See Vilkov, S. M.
- Rouse, Carl A.; and Simand, Massoud T. Nuclear reactor shield including magnesium oxide. 60-05403P
- Rouse, J.; Mohammadi, F.; and Helms, C. R. Studies of steam-oxidized WSi₃ by Auger sputter profiling. 60-03208A
- Routbort, J. L. See Scattergood, R. O.
- Routbort, J. L.; Scattergood, R. O.; and Kay, E. W. Erosion of silicon single crystals. 60-00791A
- Routschka, Gerald; and Majdic, Aleksander Refractories for nonferrous metals industries. 60-01391A
- Rovatti, T. New fast firing kiln for dinnerware. 60-02591A
- Rovner, Lee H. See Das, Santosh K.
- Rowcliffe, David J. See Jones, Robin L.
- Rowe, M. W. See Filberth, E. W.
- Rowlands, E. G.; and James, Peter Finlay Analysis of steady state crystal nucleation rates in glasses: I. Methods of analysis and application to lithium disilicate glass. 60-04664A; Analysis of steady state crystal nucleation rates in glasses: II. Further comparison between theory and experiment for lithium disilicate glass. 60-04665A
- Rowse, J. B. See Noble, F. R.
- Rosson, D. M.; and Quinn, T. F. J. Frictional heating and the oxidation theory of wear. 60-01900A
- Roy, A. K. See Sircar, N. R.
- Roy, A. K.; and Sircar, N. R. Torsional creep behavior of phosphate-bonded kyanite and diaspore. 60-03915A
- Roy, Della M. Cement and concrete in nuclear waste management procedures. 60-03554A; See also Langton, Christine A.
- Roy, Rustum Nuclear waste—the Penn State connection. 60-05379A
- Roy, Rustum; and Vance, E. R. Irradiated and metamict materials—relevance to radioactive waste science. 60-04114A
- Roy, S. B. Utilization of mica waste as a source of potassium for plant growth. 60-01796A
- Roy, Sallit K. Use of linear programming for reformulation of triaxial ceramics. 60-01495A
- Roynak, G. S.; and Granovskaya, I. V. Effect of polymer additives on the hardening and other properties of cements in corrosive mediums. 60-04528A
- Royce, Derek See Cooper, Emmanuel
- Roze, K. V.; Gurevich, A. E.; and Dudorov, Yu. G. Production Technology and Uses of Phosphate Refractory Materials. A Review (Tekhnologiya Izgotovleniya i Primeneniye Fosfatnykh Ogneupornykh Materialov Obzor). 60-02035B
- Rozental, O. M. See Palkin, A. P.
- Rozental, O. M.; Fedingia, E. I.; and Efremov, I. F. Dynamics of molecular relaxation in cement paste. 60-03350A
- Rozhanski, V. N. See Zakharov, N. D.
- Rozin, K. M. See Timofeeva, V. A.
- Rubadue, John E. See Coakley, Thomas A.
- Rubin, Mac K.; Rosinski, Edward J.; and Plank, Charles J. Crystalline zeolite, synthesis and use thereof. 60-02996P
- Rubio, Jorge See Moya, Jose S.
- Rublevskii, I. P. See Semchenko, G. D.
- Rubright, Kent A.; Magill, William C.; and Meier, Spencer I. High temperature pipe insulation. 60-02400P
- Ruch, H. Theoretical limits of heat consumption in lime burning considered on the basis of the physicochemical relations. 60-02193A
- Ruch, Richard B., Jr.; and Neu, Ronald M. Air pollution—the rules keep changing. 60-04467A
- Rucha, Ulrich; and Dietze, Wolfgang Method of deposition of silicon in fine crystalline form. 60-02765P
- Rudakova, S. V.; and Eiduks, J. Characteristics of F behavior in Ti and Ti-Ca enamels. 60-00951A
- Rudenko, V. S. See Boganov, A. G.
- Rudman, D. A.; and Bensley, M. R. Oxidized amorphous-silicon superconducting tunnel junction barriers. 60-02679A
- Rudolf, F.; Jaccard, C.; and Chollet, L. Ion beam analysis of diffusion processes in a TiC film on WC obtained by chemical vapor deposition. 60-01541A
- Rudyak, I. N. See Karaulov, A. G.; Orlova, I. G.; Zoz, E. I.
- Rue, Charles V.; and Narayanan, Kesh S. Resin bonded abrasive bodies for snagging metal containing low abrasive and high filler content. 60-02051P
- Ruebartsch, F. Ceramic industry in the EEC. 60-03249A
- Rueckl, Roger L. Coke oven patching and sealing material. 60-03924P; Coke oven patching—evaluation of commercial materials and development of new material. 60-01335A
- Ruempler, Karlheinz See Stark, Jochen
- Rueskamp, B. State of development of the counter-current packed-bed filter. 60-02189A
- Ruffa, A. R. Empirical determination of thermal expansion in insulators with no experimental input. 60-00790A; Thermal expansion in insulating materials. 60-00839A
- Ruh, Edwin See Lawlor, John B.
- Ruh, Robert See Mazdiyani, K. S.; Mendiratta, Madan G.
- Ruh, Robert; Hollenberg, Glenn W.; and Skaggs, Samuel R. Axial and linear thermal expansion of ZrO₂ and HfO₂. 60-02935A
- Ruini, Giulio Management of ceramic plants. 60-03254A; Problems connected with the reorganization of ceramics factories. 60-05028A; Problems relevant to the rearrangement of ceramic tile factories. 60-01490A
- Rumpel, Horst See Jones, Peter G.
- Rumyantsev, V. N. Choice of a mineralizer for hydrothermal synthesis and crystal growth. 60-00773A
- Rumyantsev, V. N.; and Ganev, I. G. Role of the density of solution on the hydrothermal crystallization of quartz. 60-03182A
- Runje, Vesna See Bezjak, Aleksandar
- Runyon, Robert C. Flexible, self-supporting blade for cutting electronic crystals and substrates. 60-00546P
- Ruppal, A. S.; Garnier, John E.; and Bates, J. Lambert Dielectric breakdown of porous MgAl₂O₄. 60-04005A
- Rushton, Robert M. See Gilman, Michael
- Russell, Robert G. Method and apparatus for forming and treating kinky fibers from glass. 60-04953P
- Russo, Frank R. Decoration for ceramics having the appearance of gold. 60-03984P
- Rustamov, P. G. See Allazov, M. R.
- Rustioni, Massimo See Balducci, Luigi
- Rustioni, Massimo; Balducci, Luigi; and Pizzini, Sergio CdS-CdSe system—electrical and optical properties of pigimentary powders. 60-02250A
- Ryabchik, M. E. See Shcheglov, S. I.
- Ryabov, E. N.; Kuz'menko, A. S.; and Sandler, R. A. System TiCl₃-NbCl₅-NaCl. 60-01993A
- Ryabov, G. G. See Il'in, V. P.
- Ryabova, L. A. See Vasil'ev, G. P.
- Ryabova, L. I. See Akhriemko, V. E.
- Ryan, M. J. See MacKenzie, K. J. D.
- Ryan, W.; and Massoud, E. Electrophoretic deposition could speed up ceramic casting. 60-02583A; Electrophoretic slip casting. 60-04093P
- Ryba-Romanowski, W.; Jezowska-Trzebiatowska, B.; and Sarzynski, J. Effect of glass composition on the relaxation of the $\gamma_{1/2}$ level of erbium ions in borate and silicate glasses. 60-01026A
- Rybulkin, P. T. See Koldaev, B. G.
- Rybka, Maciej See Kaperza, Wladyslaw
- Ryder, Robert J.; Taylor, E. C.; and Tanner, K. B., Jr. Pollutant emissions from glass container furnaces. 60-01127A
- Rye, Robert R. See Ashby, Carol I. H.
- Ryerson, Frederick J.; and Hess, P. C. Role of P₂O₅ in silicate melts. 60-03181A
- Rykova, T. S.; Borisova, Z. U.; and Puzin, A. V. Nature of the conductivity of Ag-rich glasses in the system Ag-As-Sc. 60-04810A
- Ryon, Allen D. See Haas, Paul A.
- Ryshchenko, M. I. See Obukhova, G. B.
- Rywak, Donald E.; Griffith, James L.; and Rhodes, Frederick D. Fuel delivery system for a furnace or kiln. 60-01708P
- Ryzhikov, K. L. Production of ceramic wares at the Slavyansk plant. 60-04132A
- Rza-Zade, P. F.; Dzhaikhandarov, Sh. D.; and Eynubova, N. A. System Li₂O-Cu₂O-OB₂O₃. 60-03218A
- Rzhevskaya, S. P. Optical absorption in Ti-rich ternary glasses. 60-04814A
- Rzhevskaya, T. L.; Milyukova, R. N.; and Khodskii, L. G. Glaze [colored, with increased firing range, spreading qualities, and luster]. 60-05242P
- Sa Neto, A.; and Cross, Leslie E. RF sputtering of Sr₂Nb₂O₇. 60-01558A
- Saakyan, E. R.; and Mesropyan, N. V. Porous spodumene and petalite ceramics. 60-01486A
- Saboe, Michael S.; and Goldblatt, Barry Composite ceramic/metallic turbine blade and method of making it. 60-02990P
- Sachs, Emanuel M. Apparatus for monitoring crystal growth. 60-05305P
- Sack, Werner Thermally high prestressable glass with high hot stressing factors. 60-03816P
- Sadel, A.; Von der Muehl, R.; and Ravez, J. Crystal chemistry and dielectric study of phases in the LiNbO₃-LiTaO₃-NaNbO₃-NaTaO₃ system. 60-03051A
- Sadler, Leon V., III; Raymon, Nancy S.; and Ivey, Kenneth H. Effects of high pressure, high temperature steam-containing environments on alumina refractory concretes. 60-03886A
- Saeborg, Ove Device for use in measuring the thickness of surface layers and coatings. 60-01686P
- Saekeang, C.; Chu, P. L.; and Whitbread, T. W. Nondestructive measurement of refractive-index profile and cross-sectional geometry of optical fiber preforms. 60-00228A
- Saenko, E. P. See Gaodo, A. N.
- Safonov, V. V.; Yarotskaya, E. G.; and Ivnitskaya, R. B. Interactions in the systems R₂O₃-TeO₂ (R = Er, Y). 60-01912A
- Safonova, L. I. See Dobruskin, V. Kh.
- Sagawa, Takatoshi See Kato, Tadanari
- Sage, Martin Self-production of electricity and its effects on electrical supply contracts. 60-05465A
- Saha, Manjures See Guha, S. K.
- Saha, Prasenjit See Ganguli, Dibyendu
- Sai, V. I. See Pashchenko, A. A.
- Sai-Halasz, G. A.; Fung, F. F.; and Sedgwick, T. O. Stress-relieved regrowth of silicon on sapphire by laser annealing. 60-02712A
- Saidi, Abdelghani See Malugani, Jean Pierre
- Saifi, M. A. See Nagel, Suzanne R.; Partus, Fred P.
- Saifuddinov, V. Z. See Palkina, K. K.
- Saini, Alberto Spectrometric determination of additions in blended cements: I. Pozzolana. 60-00046A; See also Cussino, Luciano
- Saino, A. New lines for tile production. 60-00488A
- Saissy, A.; Botineau, J.; and Azema, A. Three-wave-stimulated Raman scattering in an optical fiber. 60-00291A
- Saito, Hajime See Hayashi, Takashi
- Saito, R. See Tanaka, M.
- Saito, Takaharu See Ishii, Shinya
- Saitoh, Tadashi See Kuroda, Ekyo
- Sajo, Istvan Automatic universal analyzer which works by "dithermanal" thermometry. 60-02830A
- Sakabe, Yukio Dielectric ceramic composition containing MgTiO₃ and PbO, having a quantitative relation and process for its production. 60-00539P
- Sakagami, Koji See Okada, Eisaburo
- Sakaguchi, Shigeki; and Kimura, Takao Influence of temperature and humidity on dynamic fatigue of optical fibers. 60-03557A
- Sakai, Etsuo; Raina, K.; and Asaga, Kiyoshi Influence of sodium aromatic sulfonates on the hydration of tricalcium aluminate with or without gypsum. 60-02134A
- Sakai, Junichi See Murakami, Yasuji; Yamada, Junichi
- Sakai, Junji; Morimoto, Syogo; and Shimoguchi, Takashi Particulate material for forming molds and method for producing it. 60-02556P

- Sakai, Kazunori** See Shiosaki, Tadashi
Sakai, Kohichi See Ogawa, Yoshinari
Sakai, Seisuke See Ito, Masaru
Sakai, Tosikazu
 High-temperature strength of AlN hot-pressed with Al₂O₃ additions. 60-03099A
Sakaki, Hiroyuki See Niwayama, Akihiro
Sakamoto, Yuichi and **Ishibe, Yukio**
 Reduction of metal oxides by electron cyclotron resonance (ECR) plasma of hydrogen—a model study on discharge cleaning. 60-00825A
Sakata, Hiroonobu See Ishikawa, Hiroyuki; Noguchi, Satoshi
Sakata, Kimino
 Structural features of Nb₂Ti₂O₇. 60-04429A
Sakata, M. See Aoki, S.
Sakharov, V. V. See Neumeecheva, S. N.
Sakhnenko, V. P. See Dergunova, N. V.
Sakhuja, Ravi and **Cole, William E.**
 Fluidized beds for glass batch preheating. 60-02282A
Sakka, Sumio See Kamiya, Kanichi; Matusita, Kazumasa
Sakka, Sumio and **Hotta, Hitoshi**
 Si-O bonding in Na₂O-TiO₂-SiO₂ and K₂O-TiO₂-SiO₂ glasses as studied by SiK α X-ray fluorescence and infrared absorption spectroscopy. 60-01155A
Sakka, Sumio and **Kamiya, Kanichi**
 Glasses from metal alcohols. 60-01056A
Sakka, Sumio and **Matusita, Kazumasa** and **Kamiya, Kanichi**
 Electrical conduction in mixed-cation glasses of the Na₂O-TiO₂-B₂O₃ and Ag₂O-TiO₂-B₂O₃ systems. 60-04731A
Sakka, Sumio and **Nishiyuki, T.**
 Strengthening of glass by alkali-copper ion exchange. 60-01169A
Sakuma, Eiichiro See Nakano, Kikuo
Sakuraba, Toshiki See Yamaguchi, Yuji
Salamah, M. A. and **White, D.**
 Catalytic activity of nickel at the glass/metal interface in the porcelain enameling system. 60-03417A; Catalytic effect of the nickel flash in one coat enameling. 60-00083A
Salehi, M. See Flinn, E. A.
Sallimullah, M.; Sharma, B. R.; and Tripathi, V. K.
 Stimulated Brillouin scattering of laser radiation in a piezoelectric semiconductor in the presence of a magnetic field. 60-01565A
Salisbury, Glenn C.
 Coupler for a concentric core optical fiber. 60-03737P
Sallam, E. H. See Ibrahim, D. M.
Sallam, E. H.; and Chaklader, A. C. D.
 Sintering characteristics of porcelain. 60-02595A
Sallam, H. A. See Eissa, N. A.
Salman, Sand Moghazy See Omar, Ali Abdel-Aziz
Salova, T. P. See Epel'baum, M. B.
Salviati, Antonio
 Drying step in a method of producing ceramic articles. 60-05417P; Method and installation for producing brick. 60-05039P
Salviati, G. C. See Benci, S.
Samaddar, B. N.; Paul, P. G.; and Bhattacharyya, Hemanta
 Automatic pH control system for coprecipitation. 60-05424A
Samanta, C.; and Chatterjee, M. K.
 Lime reactivity and sulfate resistance of portland-pozzolanic cements. 60-00920A; Sulfate action on portland-pozzolanic cements. 60-00931A
Samanta, Mrinmay
 Low temperature synthesis of vitreous bodies and their intermediates. 60-00339P
Samanta, S. R. See Walrafen, George E.
Samanta, Shyam K.; Subramanian, K.; and Ezis, Andre
 Method of using Si₃N₄-Y₂O₃-SiO₂ ceramic system for machining cast iron. 60-00755P
Samarets, L. V. See Volkova, L. M.
Sammarin, L. See Birolini, P.
Sammet, Manfred See Brueckner, Rolf
Samofalova, M. M. See Bobrov, V. S.
Samoilovich, M. I. See Komov, I. L.
Samsonov, G. V.; Dubovik, T. V.; and Andreeva, T. V.
 Electroinsulating materials based on aluminum nitride and yttrium oxide. 60-02636A
Samsonov, G. V.; and Vinitski, I. M. (Editors)
 Handbook of Refractory Compounds. 60-00859B
Samsonova, L. S. See Cherkinski, Yu. S.
Samuilova, V. N. See Manchenko, Z. F.
Samunova, B. See Avramov, I.
Sanad, A. M. See Eissa, N. A.
Sandberg, C. J. See Harrison, Harold Roger
Sanders, Barbara A. See Loos, Alfred C.
Sanders, David M.; Wilke, M. E.; and Hurwitz, S.
 Role of water vapor and sulfur compounds in sodium vaporization during glassmelting. 60-03661A
Sanders, James E. See Stotter, David V.
Sanditov, D. S.
 Abrupt change in the thermal expansion coefficient at the glass point and Poisson's ratio of inorganic glasses. 60-00974A; Relations among the coefficient of thermal expansion, the softening point, and the Poisson coefficient of noncrystalline solids. 60-04851A; Surface tension and elastic modulus of alkali silicate glasses. 60-00285A; See also Bartenev, G. M.
Sanditov, D. S.; Daminov, D. G.; and Idanov, E. B.
 Correlation between some mechanical and thermal characteristics of inorganic glasses. 60-04692A
Sanditov, D. S.; and Rinchinov, E. Zh.
 Internal stress and some properties of inorganic glasses. 60-04776A
Sandler, R. A. See Ryabov, E. N.
Sandman, Michael A.; and Loughlin, Bernard T.
 Abrasive wheels. 60-00878P
Sandoe, J. N.; Blood, P.; and Nicholls, D. H.
 Variable range hopping conductivity in reduced lead glass. 60-02357A
Sandor, Sylvester R. See Panzario, Joseph N.
Sandrolini, Franco; Moriconi, G.; and Carniani, G.
 Forming pressure effects in the compaction and firing of self-vitrifying ceramic powders. 60-02586A
Sandstrom, Donald R.; Lytle, Farrel W.; and Wei, P. S. P.
 Coordination of Ti in TiO₂-SiO₂ glass by X-ray absorption spectroscopy. 60-00995A
Sanin, V. N. See Balashov, Yu. S.
Sansregret, Joseph L.
 Process for thin film deposition of metal and mixed metal chalcogenides displaying semiconductor properties. 60-01625P
Santamaria Ibarra, J. M.
 Refractory materials for the lining of blast furnaces—experiences and results. 60-01397A
Santiago, Edgardo
 Glass article having abrasion resistant and label receptive coating and method of producing it. 60-04937P
Sanyal, A. S.; and Mukerji, Joydeb
 Diffusion of tin in soda-lime glass between the transformation point and softening point. 60-01016A
Sanz Maudes, J. See Rodriguez, T.
Sanz Maudes, J.; and Rodriguez, T.
 Sprayed SnO₂ films—growth mechanism and film structure characterization. 60-02709A
Sara, Raymond V.
 Deformation process for producing stress relieved metal/ceramic abrasible seals. 60-02045P
Sardak, E. M. See Belyi, Ya. I.
Saricimen, Huseyin
 Characterization of zirconia powders prepared by high temperature hydrolysis. 60-02940A; See also Burkin, A. R.
Sarid, Dror
 Recovery of the refractive-index profile of an optical waveguide from the measured coupling angles. 60-00517A
Saringulyan, R. S.; Pogosyan, M. A.; and Kheruntsyan, V. I.
 Glass [with B₂O₃ and ZnO added to increase heat resistance and improve technological properties]. 60-01233P
Sarkar, Arnab
 Apparatus and method for making optical filament preform. 60-01205P; See also Olshansky, Robert
Sarkar, S. L.
 Polymorphism of dicalcium silicate. 60-00040A
Sarkary, Homi G. See Galicki, Arkadi
Sarkisov, P. D. See Mikhailenko, N. Yu.; Pavlushkin, N. M.; Smirnov, V. G.
Sarkozy, Francis A.
 Triple gob blowhead or baffle construction. 60-03818P
Sarov, G. See Orlinov, V.
Sarzynski, J. See Ryba-Romanowski, W.
Sasaki, Nobuo; Kobayashi, Yasuo; and Tohegi, Ryoiku
 Method of manufacturing insulated gate semiconductor devices by high pressure thermal oxidation with water vapor. 60-05331P
Sasaki, Tadao; Komaru, Isamu; and Yoshioka, Ryuzo
 Process for producing β -silicon carbide fine powder. 60-00470P
Sasaki, Tadao; Natori, Takasi; and Komaru, Isamu
 Active silicon carbide powder containing a boron component and process for producing it. 60-00451P
Sasko, P. See Arlt, G.
Sass, S. L. See Carter, C. B.
Sasse, E. See Kuissl, M.
Sastre, Cesar See Schweitzer, Donald G.
Satarin, A. V. See Ved, E. I.
Sather, Allen See Lapinski, Norman
Sathyanarayan, S.
 Make it more [improvements in the glass industry]. 60-04796A
Satmer, Franz See Hofmann, Franz
Sato, Fumio; and Sumino, Koji
 Yield strength and dynamic behavior of dislocations in MgO crystals at high temperatures. 60-02016A
Sato, Hiroshi; and Gschwend, Klaus
 Temperature dependence of the Haven ratio in β -alumina. 60-04448A
Sato, Hiroshi See Mizuishi, Kenichi
Sato, J.; Igarashi, J.; and Shima, M.
 Fretting of glass. 60-02286A
Sato, Ken; Takada, Yoshio; and Maekawa, Hiroshi
 Electrical conduction of ZnO varistors under continuous dc stress. 60-00505A
Sato, Seichi; and Kleppa, O. J.
 Enthalpies of mixing of liquid mixtures on alkali tungstates with tungsten oxide. 60-01895A
Sato, Teyosi See Miura, Mitiko
Sato, Y., and Anderson, O. L.
 Comparison of the acoustic and thermal Grueneisen parameters for three glasses at elevated pressure. 60-02254A
Sato, Yoshiko; and Akimoto, Syuntiti
 Hydrostatic compression of four corundum-type compounds: α -Al₂O₃, V₂O₅, Cr₂O₃, and α -Fe₂O₃. 60-03101A
Satomura, Hiroshi; and Takano, Katsuyoshi
 Piezoelectric ceramic compounds. 60-00592P
Sattarov, D. K.; Kanchiev, Z. I.; and Koneva, G. Ya.
 Transmission of lead-silicate glasses subjected to thermal-hydrogen reduction. 60-02349A
Satymurthy, K. See Singh, Jitendra P.
Satymurthy, K.; Singh, Jitendra P.; and Hasselman, D. P. H.
 Transient thermal stresses in cylinders with a square cross section under conditions of convective heat transfer. 60-00846A
Sauder, Donald R.
 Decision to move to P/E powder—a progress report. 60-04603A
Saulin, A. B. See Galkin, Yu. M.
Saunders, Arthur
 Last of the bigware throwers. 60-00013A
Saunders, M. J.
 Optical fiber profiles using the refracted near-field technique [RNF]—a comparison with other methods. 60-03629A
Savage, J. A. See Webster, P. J.
Savage, J. A.; Webster, P. J.; and Pitt, A. M.
 Potential of Ge-As-Se-Te glasses as 3–5 μ m and 8–12 μ m infrared optical materials. 60-03640A
Savage, William T.
 Brick press frame having prestressed columns. 60-03921P
Savchenko, V. D. See Belyi, Ya. I.
Savfel'ev, V. L. See Trukhin, A. N.
Savfel'ev, V. N. See Pirogov, Yu. A.
Savelyev, Michael K.
 Programmable controllers—what they are, and how they can be used. 60-02491A
Savina, L. A. See Bednosheya, M. A.
Savioli, Antonio
 Unusual "mystic" [religious motif] majolica plate at the Museum of Faenza. 60-03331A
Savitskan, R. K. See Fedorov, N. F.
Savitski, E. M. See Kiseleva, N. N.
Savkin, A. F. See Mariurosov, S. M.
Savut, Maria See Motoc, Stefania
Sawada, Hiroji; and Igawa, Tatsuo
 Distributor with coated alkaline earth oxide electrode. 60-00541P
Sawada, Shojiro See Danjo, Hiroyuki
Sawamura, Kunihide; Kasori, Mituo; and Takano, Takeshi
 Optical fiber of high durability prepared from multicomponent glass. 60-03794P
Sawamura, Mitsuharu; and Kamiya, Osamu
 Reflection preventive film having an aspherical layer. 60-03805P
Sawatzki, Rolf; Gubelius, Heinz-G.; and Heinenbrock, Joachim
 Apparatus for producing spacer frames for insulating glass window structures. 60-03727P
Sawyer, Willard H. See Cull, Neville L.
Sayegh, N. N.; and Gaurin, W. H.
 Heat transfer to a stationary sphere in a plasma flame. 60-04213A
Sayer, M. See Prasad, E.
Sayer, Michael See Teitsma, Albert
Sayers, C. M.
 Propagation of ultrasound in highly concentrated mixtures and suspensions. 60-01679A
Sazonova, L. V. See Glushkova, V. B.
Sazonova, M. V. See Smirnova, G. T.
Schabero, O. See Longo, Vittorio
Scabbio, R. P.
 Pigments for ceramic enamels. 60-04635A
Scaglioni, O.
 Market for raw materials in North America and Western Europe as related to the glass industry. 60-00203A
Scamehorn, John F. See Stowell, Donald E.
Scandellari, M. See Hreglich, S.
Scarinci, G. See Toninato, W. H.
Scattergood, R. O. See Routhort, J. L.
Scattergood, R. O.; and Routhort, J. L.
 Transient and synergistic effects in solid-particle erosion of silicon. 60-05731A
Schar, Lothar See Becker, Kurt
Schabacker, Robert B.
 Industry experience with porcelain enameled steel substrates for electronic applications. 60-04620A
Schabowska, E. See Porada, Z.
Schaefer, G.
 Heat consumption limits of parallel-flow/counterflow line regenerative kilns during combustion. 60-02123A
Schaefer, Heinz-Ulrich
 Exploitation, loading, and hauling of raw materials in quarries for pit and quarry industries. 60-02116A; Prospecting methods in ceramic raw material exploration: [I]. 60-00676A
Schaefer, Herbert See Eschenberg, Rudolf
Schaeffer, Helmut A.
 Oxygen and silicon diffusion-controlled processes in vitreous silica. 60-00237A
Schaldach, Max; Ebert, Rolf; and Baurischmidt, Peter
 Use of ceramic materials in replacement surgery. 60-05524A
Schave, Richard D.
 Surface inspection system for detecting flatness of planar sheet materials. 60-02453P
Scheur, Lothar
 Glass industry moves towards new horizons. 60-03533A
Schechter, Berton See Clingman, David L.

- Schedbauer, Peter; and Sekely, Stanislaw**
Analysis of crystals arising at the working end of the melting furnace. 60-04663A
- Scheicher, H.**
Ceramic compositions and prosthetics therefrom. 60-01799P
- Scheidig, Klaus; Decker, Helmut; and Stuelnagel, Klaus**
Influence of gas composition during holding time on the wear characteristics of refractory linings in oxygen converters. 60-01363A
- Scheidler, Herwig** See Kristen, Klaus
- Schellhorn, Robert L.**
Fabrication of thick film circuits on cofired ceramic substrates. 60-02640A
- Schellbach, G.; and Schmidt, H.**
Influence of the raw material and the production methods on the deformation behavior of clay bricks or blocks—effects of these deformations on building construction. 60-02480A
- Scherer, George W.**
Method for drawing high-bandwidth optical waveguides. 60-02416P; Stress-induced index profile distortion in optical waveguides. 60-00276A; Stress-optical effects in optical waveguides. 60-00277A; See also Dominich, Ellen K.
- Scherer, Heribert** See Bittner, Hans-Joachim
- Scherz, Emil**
Factors of influence when employing transfer pictures with on-glass decorations. 60-01476A
- Scherrer, H.** See Borchardt, G.
- Scherrer, S.** See Borchardt, G.
- Scheuermann, Coulson M.** See Maier, Ralph D.
- Scheufler, Vladimir; and Stajnoch, Vitezslav**
Falcence from Zittau. 60-04502A
- Schiavone, Lawrence M.** See Beni, Gerardo
- Schicht, R.**
Gypsum—objectives for research and development. 60-04538A
- Schilke, Peter W.** See Johnson, Gerard F.
- Schiller, Joseph E.; Payne, Sequoyah L.; and Khalafalla, Samia E.**
Surface charge heterogeneity in amphibole cleavage fragments and asbestos fibers. 60-03211A
- Schiller, Siegfried; Heisig, Ulrich; and Steinfelder, Karl**
Reactive dc sputtering with the magnetron-plasma from tantalum pentoxide and titanium dioxide films. 60-01782A
- Schindler, Joachim** See Knahe, Harald
- Schlieler, Liselotte J.** See Messier, Donald R.
- Schlachter, Fredo E. L.**
Method and device for the manufacture of glass filaments. 60-01256P
- Schlachter, Fredo E. L.; Keib, Heinz P.; and Kahnke, Dieter G.**
Method and apparatus for the integration of newly formed filaments into a continuous strand. 60-02414P
- Schlafer, John** See Daks, Mark L.
- Schlager, Richard J.; and Murphy, James F.**
Cement waste product as scrubbing medium for sulfur oxides. 60-04584P
- Schleinitz, Henry M.**
Separation device of cordierite ceramic and α -alumina. 60-02570P
- Schlichting, Juergen**
Chemical vapor deposition of silicon carbide. 60-01739A; High temperature oxidation of disilicides in the system $\text{MoSi}_2\text{-TiSi}_2$. 60-03096A; Silicon carbide as an oxidation-resistant refractory material. Resistance to oxidation and corrosion at high temperatures: I. 60-05124A; Silicon carbide as an oxidation-resistant refractory material. Resistance to oxidation and corrosion at high temperatures: II. 60-05125A; See also Fitzer, Erich
- Schmalzried, H.** See Pelton, A. D.
- Schmeiduch, Guenter** See Oeters, Franz
- Schmeiduch, Guenter; and Oeters, Franz**
Influence of operating parameters on refractory wear in the electric arc furnace. 60-01364A
- Schmid, Frederick; and Khattak, Chandra P.**
Crystal growing. 60-04059P; Processes of casting an ingot and making a silica container. 60-00472P
- Schmidt, Dieter H.** See Froschauer, Leonhard E.
- Schmidt, Erwin W.**
NC technology—numerical control and its use in the ceramic industry. 60-03255A
- Schmidt, Gerhard** See Loeser, Harald
- Schmidt, Guenther** See Roth, Mario
- Schmidt, H.**
How to prevent drying cracks. 60-05020A; Noxious effects, origin, and measures for the prevention and control of fluorine emissions. 60-02489A; See also Schellbach, G.
- Schmidt, R. J.**
Controls for coal pulverizing systems. 60-02088A
- Schmidt, Walter**
Process and device for growing crystal. 60-01622P
- Schmidt-Whitley, R. D.**
New refractory helps extend arc furnace roof life—some practical experiences in Italy, Germany, and France. 60-01373A
- Schmieder, Helmut** See Goldacker, Hubert
- Schmits, Heinz-Herbert** See Ritzmann, Horst
- Schmitt, Theo** See Banik, Gerhard
- Schnabel, Wolfram** See Reuter, Gerhard
- Schnable, George L.** See Deckert, Cheryl A.
- Schneider, Gordon L.**
Acidic carbon-cemented compositions for building materials and process. 60-00051P
- Schneider, Hartmut**
Method for the manufacture of a multichannel fiber optical waveguide. 60-04964P
- Schneider, Hartmut; Floerke, Otto W.; and Majdic, Alexander**
Thermal expansion of tridymite. 60-03231A
- Schneider, Hartmut; and Hornemann, Ulrich**
Shock-induced transformation of sillimanite powders. 60-03189A
- Schneider, Helga; and Schulz, B.**
Determination of free carbon in phases of the boron-carbon system. 60-05591A
- Schneider, Wolfgang** See Hoffmann, Ulrich
- Schnell, A.**
Nonlinear charge release of piezoelectric ceramics under uniaxial pressure. 60-04033A
- Schnyder, Rudolf**
Majolica from Turin from the period A.D. 1615-1630. 60-03320A
- Schoenert, K.** See Aziz, J.-A.
- Schoenig, F. C., Jr.** See Arya, Satya P.
- Schoenahl, Jacques R. P.** See Kiehl, Jean-Pierre
- Scholes, William**
Cement plant expansion fills Australian demand. 60-03342A
- Scholl, John J.; and Staley, Warren D.**
Method and apparatus for forming glass parisons. 60-04954P; Press and blow glass forming. 60-04990P
- Schollmeyer, H. Edward**
Battle for packaging markets. 60-02246A
- Scholten, Joseph J. F.; and Van de Leemput, L. J. M. A.**
Process of preparing a porous, pure silica. 60-00691P; 60-00762P
- Scholze, Horst** See Frey, Emmo
- Schoolar, Richard B.** See Jensen, James D.
- Schotman, Raud**
Development of a brickmaking industry in Nigeria. 60-05016A; Development of a building brick industry in Nigeria. 60-00384A
- Schrader, Richard** See Stark, Jochen
- Schramm, R.; and Zeig, K.**
Blending effect of a homogenizing and raw grinding plant. 60-02076A
- Schranz, Joe**
How Collins recycles gold scrap. 60-03962A
- Schreiber, Henry Dale**
Properties of redox ions in glasses—an interdisciplinary perspective. 60-01140A
- Schreiber, Henry Dale; Lauer, Howard V., Jr.; and Thanayasi, Thitnint**
Oxidation-reduction equilibria of iron and cerium in silicate glasses—individual redox potentials and mutual interactions. 60-00236A
- Schreiber, Henry Dale; Thanayasi, Thitnint; and Lach, J. J.**
Redox equilibria of Ti, Cr, and Eu in silicate melts—reduction potentials and mutual interactions. 60-03656A
- Schreier, Ulrich** See Dumesnil, Maurice E.
- Schreinemacher, Herbert** See Hennings, Detlev
- Schreurs, Jan W. H.** See Danielson, P. S.
- Schrimpf, C.** See Frischat, G. H.
- Schroeder, John**
Brillouin scattering and Pockels coefficients in silicate glasses. 60-00984A
- Schroeder, Karlheinz** See Ramesohl, Hubert
- Schroeder, W.; and Georg, W.**
New production line for chamotte pieces at the Guterborn quarry, Boden. 60-00387A
- Schroeder, Werner** See Miels, Reinhard
- Schroth, Peter H.** See Shultz, Richard L.
- Schubert, P.; Harper, P. H. I.; and Barham, D.**
Criteria involved in the prediction of spinability of mineral wool melts. 60-00406A
- Schubert, Paul**
Energy economy and energy distribution in a small container plant producing its own power. 60-04739A
- Schubert, Peter H.**
Control of the expansion and contraction behavior of masonry bricks to avoid cracking damage. 60-02467A; See also Wesche, Karlhans
- Schuetz, Wolfram**
Calculation of grinding bodies. 60-04484A
- Schuhmann, Werner P.** See Lubitz, Karl
- Schuldt, S. B.** See Heaps, Joseph Don
- Schulle, Wolfgang**
Trends in application and use of refractory structural materials. 60-02531A
- Schulle, Wolfgang; and Hintzen, Ulrike**
Rapid firing of external wall tiles. 60-05225A
- Schulle, Wolfgang; Klein, Gernot; and Bundt, Manfred**
Comparative quality investigations of high alumina shapes for arc furnace roofs. 60-05062A
- Schulte-Kellinghaus, Hans**
Energy sources and utilization in a container plant with regenerative tanks. 60-04740A
- Schultz, Peter C.**
Method of forming a substantially continuous optical waveguide. 60-01273P; Method of producing glass optical filaments. 60-03785P; See also Friedele, E. J.
- Schultz, Peter C.; and Dumbaugh, William H., Jr.**
Silica-rich glasses in the $\text{TiO}_2\text{-Al}_2\text{O}_3\text{-SiO}_2$ system. 60-01158A
- Schultz, William W.** See Riddell, John M.
- Schultze, Lawrence E.; Bauer, Donald J.; and Morimoto, Michael T.**
Ferric leaching of uranium values from lignite. 60-05397P
- Schulz, B.** See Schneider, Helga
- Schulz, G.** See Laux, L.
- Schulz, M. M.**
Coordination states in glass and their determination by physicochemical methods. 60-03461A
- Schulze, Dietmar** See Fleischer, Werner
- Schulze, Walter A.** See Bowen, L. J.; Granahan, M.
- Schulze-Heil, Bernhard**
Blast furnace for heating granular material [lime]. 60-02200P
- Schumacher, Bernd-Peter** See Poeschmann, Helmut
- Schumacher, Clifford A.** See Adams, Thomas E.
- Schumacher, R.** See Harris, L. A.
- Schutz, Raymond J.**
Admixtures and method for accelerating the setting of portland cement compositions. 60-03388P; 60-03389P
- Schwabe, P.**
Experience with automatic sack applicators [for positioning sacks in automated filling lines]. 60-02114A
- Schwartz, Abraham** See AuCoin, Thomas R.
- Schwartz, Robert N.** See Kevan, Larry
- Schwartz, G.** See Fitzer, Erich
- Schwarz, S.**
Fully automatic operation of a modern clay roofing tile works—international visit to [Dachziegelwerk] Meindl oHG, Dorfen. 60-01311A
- Schwarzopf, F.** See Simon, J.
- Schweikert, Emil A.**
Charged particle activation analysis. 60-02831A
- Schweinhardt, Gustav** See Sommer, Rolf
- Schweitzer, Donald G.; Sastre, Cesar; and Winsche, Warren**
Method for storing spent nuclear fuel in repositories. 60-05400P
- Schweitzer, Klaus** See Huether, Werner
- Schwenninger, Ronald L.**
Gas cushioned ice skate edge stretcher [float glass]. 60-03748P
- Schwind, Albert** See Belsky, Milan
- Schwinger, Ulrich; and Hoffmann, Bernd**
ZnO single crystals with an intermediate layer of metal oxides—a macroscopic varistor model. 60-05304A
- Schwentke, Guenter H.** See Cizek, Theodore F.
- Scifres, Donald R.** See Ponce, F. A.
- Scoborg, J. A.** See Hastings, I. J.
- Scoccia, Giancarlo** See Corradini, Giorgio
- Scott, B.** See James, Peter Finlay
- Scott, Charles E.** See Dewey, John L.
- Scott, James W.; and Rising, Robert**
Method and apparatus for producing fibrous wool packs. 60-03767P
- Scott, M. G.** See Kursumovic, A.
- Scott, V. D.** See Love, G.
- Scrimgeour, J. F.**
Cost of efficiency in gas and oil firing. 60-01691A
- Seal, M.**
Friction of diamond. 60-04334A
- Seang Ha Park**
Manufacture of clay-based articles. 60-03398P
- Searle, Denise**
Fluidized mixing saves wear and tear. 60-03512A
- Sebastiani, Enzo** See Paolini, Antonio E.
- Sedalia, Narayan M.** See Yearick, Daniel R.
- Sedgwick, T. O.** See Sai-Halasz, G. A.
- Sedmale, G.** See Andersons, U.; Setina, J.
- Sedmale, G.; Sedmalis, U.; and Lindins, L.**
Glazes [with decreased thermal expansion coefficient and surface temperatures by adding CuO and Al_2O_3]. 60-05249P
- Sedmale, G.; Svinika, R.; and Sedmalis, U.**
Enamel [with increased electrical resistance by adding CuO and P_2O_5]. 60-04653P
- Sedmalis, U.** See Lagdina, S.; Leruma, M.; Lindins, L.; Sedmale, G.; Setina, J.
- Sedmalis, U.; Bol'shii, Ya. Ya.; and Mezinskis, G.**
Physicochemical properties of glasses of the system $\text{RO-Nd(PO}_3)_2\text{-SiP}_2\text{O}_7$ ($\text{RO} = \text{ZnO, SrO, CdO, and BaO}$). 60-01125A
- Sedmidubsky, J.**
Glazes and pastes for rapid firing of facing tile. 60-02587A
- Seever, John**
Method and apparatus for the cleaning of the surface of filter panels in a fluid passageway. 60-00626P
- Segall, R. L.** See Jones, C. F.
- Segel, Stanley L.** See Teitsma, Albert
- Seguit, E. R.** See Holland, A. E.
- Segond, J.** See Cozzi, C.
- Seguin, R.** See Brebec, G.
- Seifried, George B.; and Stetiz, William R.**
Square glass furnace with sidewall electrodes. 60-02450P
- Seikai, Shigeyuki** See Kitayama, Kenichi; Uchida, Naoya
- Seiler, G.**
Subsynchronous converter cascade for driving fans in the cement industry. 60-02190A
- Sekely, Stanislaw** See Schedbauer, Peter
- Seki, Y.; and Ueno, T.**
Study of foam glass in the system shirasu-glass-partially dehydrated water glass. 60-04886A
- Sekihata, Masao** See Otsuka, Kanji
- Sekiya, Tadashi** See Hasegawa, Kanemitsu

- Sekiya, Tadashi; and Okuda, Hiroshi
Flux growth of Cr_2O_3 crystals from a $\text{K}_2\text{Cr}_2\text{O}_7\text{-K}_2\text{CrO}_4$ mixture. 60-05614A; Growth of Cr_2O_3 crystals by the decomposition of a $\text{K}_2\text{Cr}_2\text{O}_7$ melt. 60-05617A
- Selverstov, N. F. See Kanteva, I. A.
- Sella, C. See Brebec, G.
- Sellin, D. P. See Archer, W. I.
- Sellner, Christiane; Oel, Heribert J.; and Camara, Boubacar
Investigation of the relation between composition, color, and melting atmosphere in antique glasses (forest glasses) by electron spectroscopy and electron spin resonance (ESR). 60-04504A
- Selvaraj, Alphonso See Billy, Michel
- Selyanko, V. T. See Astanina, G. I.
- Semba, Kimio
Zircon brick used in teeming ladles. 60-05143A; See also Furumi, Koichi
- Semba, Kimio; and Harada, Tsutomu
Flow behavior influenced by type of clay. 60-00420A
- Semchenko, G. D.; Kolesnichenko, L. P.; and Rublevskii, I. P.
Charge for making refractory articles. 60-05154P
- Semchenko, G. D.; Matvienko, R. N.; and Bezlepkin, V. A.
Charge for making refractory articles. 60-05155P
- Semchenko, G. D.; Zagoskin, V. T.; and Zolina, L. D.
Charge for producing refractories. 60-01428P
- Semchenko, G. D.; Zhukovina, E. Yu.; and Korol, E. Z.
Raw material mixture for producing refractory articles. 60-05176P
- Semenov, G. A. See Shul'ts, M. M.
- Semenov, N. N.; Dikov, Yu. P.; and Shulov, S. Ya.
X-ray photoelectron spectroscopy study of the surface layer of electrochemically colored glasses. 60-03720A
- Semetskaya, N. M. See Khalilev, V. D.
- Semiletov, A. S.; Rakova, E. V.; and Zheludeva, S. I.
Structure and morphology of PbTe films epitaxially grown on LiNbO_3 . 60-01569A
- Semin, E. G. See Gusarov, V. V.
- Semin, E. G.; Andreeva, N. A.; and Vlasov, E. A.
Kinetics of mullite formation in the presence of Cr_2O_3 . 60-04362A
- Semler, Charles E.; Hawisher, Thomas H.; and Bradt, R. C.
Thermal shock of alumina refractories—damage-resistance parameters and the ribbon test. 60-03914A
- Sempolinski, D. R.; and Kingery, W. D.
Ionic conductivity and magnesium vacancy mobility in magnesium oxide. 60-00809A
- Sempolinski, D. R.; Kingery, W. D.; and Tuller, H. L.
Electronic conductivity of single crystalline magnesium oxide. 60-00789A
- Sen, P. See Rao, M. Rama
- Sen, P. C. See Ray, K. C.
- Sen, R.; and Sinha, B. C.
Stabilization and sensitization of ferric thiocyanate color for determination of trace amounts of iron in zinc oxide and zinc minerals. 60-05449A
- Seng, Stephen See Henry, Richard K.
- Seng, Stephen; Henry, Richard K.; and Propster, Mark A.
Pollution abating, energy conserving glass manufacturing apparatus. 60-02435P; Pollution abating, energy conserving glass manufacturing process. 60-02436P
- Sengupta, D. See Jach, J.
- Sengupta, K. See Mandal, S. S.
- Sen'kova, I. N. See Sitca, D.
- Senna, Mamoru See Shinozaki, Masaru
- Sennikov, S. G. See Revzin, G. E.; Vereshchagin, V. I.
- Sennikov, S. G.; Revzin, G. E.; and Volkova, L. V.
Charge for manufacturing forsterite refractory articles. 60-01423P
- Sensarma, S. See Prasad, S. N.
- Sensi, John E.
Apparatus for measuring temperatures in molten metal. 60-02865P
- Serayet, M.; and Viquesnel, A.
Construction and operation of a combined pretreatment and electrochromic enameling plant in France. 60-02224A
- Serban, William See Brady, Darlene
- Serbent, Harry; Eichberger, Heinz; and Lommert, Hermann
Process of calcining limestone or hydrated lime in a rotary kiln. 60-00070P
- Serbova, R.
Effects of raw material on the dielectric properties of corundum ceramics. 60-00503A
- Serbin, V. P. See Pashchenko, A. A.
- Sereda, L. N. See Sereda, N. E.
- Sereda, N. E.; Belov, A. P.; and Sereda, L. N.
Graphic analytical method for calculation of the ternary raw material mixture composition. 60-02121A
- Sereglin, P. P.; Tursev, E. Yu.; and Andreev, A. A.
Moessbauer and electron spectroscopic study of the short-range-order structure of glassy and crystalline alloys of Si-Te and Ge-Te. 60-01102A
- Sergeva, M. V. See Ugrumova, M. A.
- Sergys, F. J. See Pentecost, Joseph L.
- Serikova, V.; Murashko, A.; and Pishvanova, V.
Improving the quality of floor tiles at the Slavyansk Ceramic Plant. 60-03964A
- Serkowski, S. See Pawlowski, Stanislaw; Sopicka-Lizer, M.
- Serov, V. V.; Kuznetsova, N. P.; and Krivandin, V. A.
Changes in radiation properties of refractories during service in industrial furnaces. 60-03871A
- Serova, E. V. See Belyakov, A.
- Serpinski, V. V. See Yurchenko, G. R.
- Serry, Mohamed A. See Weisweiler, Werner
- Serry, Mohamed A.; and Sorsy, A. M.
Reactions, phase composition, and properties of chromedolomite refractories. 60-05110A
- Servoin, Jean-Louis See Billard, Didier
- Shadri, S. G.; and Srinivasan, M.
Estimation of fracture toughness by intrinsic flaw fractography for sintered alpha silicon carbide. 60-04327A
- Setaka, Nobuo See Mitomo, Mamoru
- Setina, J.; Sedmale, G.; and Sedmalis, U.
Effect of SnO_2 on the phase composition and physicochemical properties of phosphate-rich glasses. 60-02268A
- Setoyama, Katsumi; and Takahashi, Satoshi
Solid solution of calcium sulfate dihydrate and calcium sulfite. 60-04566A
- Setter, N.; and Cross, Leslie E.
Contribution of structural disorder to diffuse phase transitions in ferroelectrics. 60-01857A; Role of B-site cation disorder in diffuse phase transition behavior of perovskite ferroelectrics. 60-05692A
- Seward, Thomas P., III
Coloration and optical anisotropy in silver-containing glasses. 60-00989A; See also Hares, George B.; Morse, David L.; Tick, Paul A.
- Seymour, Samuel L.
Drop forming glass sheets with auxiliary shaping means. 60-01229P; Method and apparatus for shaping glass sheets by drop forming. 60-01254P; Shaping glass sheets by drop forming with differential vacuum release. 60-01297P; Shaping glass sheets by drop forming with sag control means. 60-00375P
- Shabtai, Joseph
Zeolites and cross-linked silicates as media for selective catalysis. 60-00736A
- Shackelford, James F.
Potential of structural analysis from gas transport studies. 60-01131A
- Shaefer, H. J. See Filberth, E. W.
- Shafizade, R. B. See Kazinets, M. M.
- Shaflo, G. R. See Notter, A. T.
- Shah, M. M. See Bhatt, D. J.
- Shaheen, Joseph M.
High temperature-resistant conductive adhesive and method employing it. 60-01594P
- Shaisha, E. E.; and Cooper, A. R.
Ion exchange of soda-lime glass with univalent cations. 60-03567A; Residual stress in singly and doubly ion-exchanged glass. 60-01151A
- Shakhmatkin, B. A.; and Shul'ts, M. M.
Thermodynamic properties of glass-forming melts of the system $\text{Na}_2\text{O-SiO}_2$ at 800–1200°C. 60-01185A
- Shalamova, I. V. See Pavlov, V. F.
- Shamkaloiev, V. I. See Ermolenko, N. N.; Manchenko, Z. F.
- Shamsieva, T. A. See Shorina, N. K.
- Shanker, Jal; Jain, V. K.; and Agrawal, S. C.
Crystal binding energies of rutile-type compounds. 60-01859A
- Shannon, John L., Jr. See Dörner, John P.
- Shantarovich, V. P. See Kevdina, I. B.
- Shapiro, L. Ya. See Belostotskaya, N. S.
- Shaplygin, I. S. See Kakhn, B. G.; Prosychev, I. I.
- Shapoval, T. A. See Pilyankevich, A. N.
- Shapovalov, A. G. See Tkachenko, E. V.
- Shapovalova, N. F.; Artamonova, G. I.; and Orlov, D. I.
Glass [with increased thermal conductivity]. 60-01238P
- Sharaf, F. See Barakat, N.
- Sharaf, N. A. See Ahmed, A. A.
- Share, S.; and Wasilik, J.
Radiation effects in doped-silica optical waveguides. 60-03648A
- Sharif, R. I.; Thorp, J. S.; and Kavanagh, S. A.
Electrical characteristics of lithium and yttrium silicates. 60-03073A
- Sharma, Kapil Dev See Mukerji, Joydeb
- Sharma, R. K. See Chan, N.-H.
- Sharma, R. K.; Chan, N.-H.; and Smyth, Donald M.
Solubility of TiO_2 in BaTiO_3 . 60-05701A
- Sharma, R. R. See Salimullah, M.
- Sharma, S. K.; Simons, B.; and Mammone, J. F.
Relations between density, refractive index, and structure of B_2O_3 glasses at low and high pressures. 60-01150A
- Sharmas, S. G.; and Ashton, M. C.
Practical developments in ladle preparation. 60-03899A
- Sharonov, Mikhail A.; Zainullin, L. A.; and Olginisky, F. Y.
Apparatus for granulating molten slag. 60-01212P
- Sharova, N. G. See Slobodin, B. V.
- Sharp, Edward G. See Coates, Neil H.
- Shashkel, P. P. See Gurba, N. A.
- Shater, Magda A.; and El-Didamony, Hamdy
Anodic polarization of reinforcement steel in expansive cement pastes. 60-04511A
- Shatiryan, L. O. See Melkonyan, G. S.
- Shaw, Nancy J. See Herbell, Thomas P.
- Shchavalev, O. S. See Uruosovskaya, L. N.
- Shchavalev, O. S.; Babkina, V. A.; and Didenko, L. A.
Chemically stable athermal glasses. 60-03447A
- Shchavalev, O. S.; Polukhin, V. N.; and Molev, V. I.
Production of athermal glasses by a special dispersion procedure. 60-01136A
- Shcheglov, S. I.; Ryabchii, M. E.; and Pilipectin, L. D.
Charge for producing roasting-free refractory materials. 60-01430P
- Shcheglova, N. N. See Bartenev, G. M.
- Shcheglova, O. V. See Chernyakova, T. G.; Rosinskii, F. F.
- Shcheglova, Z. A. See Polukhin, V. N.
- Shchekoleva, N. D. See Sil'vestrovich, S. I.
- Shchekotov, P. E.
Semiautomatic assembly for the hydrostatic pressing of ceramic blocks. 60-03849A
- Shchekina, T. Yu. See Sibiriyakova, I. A.
- Shealy, James R. See Ghandhi, Sorab K.
- Shebl, Farouk Ali; Helmy, Fathi Mohamed; and Ludwig, Udo
Influences of potassium sulfate on the hydration of tri- and β -dicalcium silicates. IV. Compressive strength in relation to the surface area. 60-02139A; Influences of potassium sulfate on the hydration of tri- and β -dicalcium silicates. V. Liquid and solid phase analysis in relation to pH. 60-02140A
- Shebl, Farouk Ali; and Ludwig, Udo
Influences of potassium sulfate on the hydration of tri- and β -dicalcium silicates: I. Quantitative X-ray diffraction analysis. 60-02136A; Influences of potassium sulfate on the hydration of tri- and β -dicalcium silicates: II. Degree of hydration and free lime determination. 60-02137A; Influences of potassium sulfate on the hydration of tri- and β -dicalcium silicates: III. Order of the hydration reactions. 60-02138A
- Sheehan, Gerard M. See Blake, David W.
- Sheem, S. K. See Bulmer, C. H.
- Sheffield, Glenn W. See Mellors, Geoffrey W.
- Shegurova, G. A. See Bukhalova, G. A.
- Sheinina, T. G.; and Ananich, N. I.
Nature of coloring of Cu ruby-type silica-rich glasses. 60-03616A
- Shelby, J. E.
Effect of radiation on the physical properties of borosilicate glasses. 60-02271A; Reaction of hydrogen with hydroxyl-free vitreous silica. 60-03177A; See also Coyle, R. T.
- Shelby, J. E.; and Vitko, J., Jr.
Surface characterization of weathered low-iron float glass. 60-00284A
- Sheldrick, George M. See Jones, Peter G.
- Shelestak, Larry J. See Amrhein, Alan G.
- Shelley, Robert D. See Graff, William A.
- Shelley, S. V.
Cullet utilization technology—the new horizon in glass recycling. 60-01003A
- Shelly, Donald P.
Mathematical modelling by computer as an aid to kiln design. 60-02878A
- Shelton, Harold E.
Glass breaking machine. 60-00325P
- Shelukhin, I. A. See Pavlova, Z. A.
- Shen, Ming-Shing See Yang, Ralph T.
- Shenoy, G. K. See Vashista, P.
- Shepard, Joseph F. See Garbarino, Paul L.
- Shepelev, Yu. F. See Smolin, Yu. I.
- Sheppard, Robert S.
Preparing refractory metal boride powder. 60-01447P
- Sher, A. See Su, P.
- Sherman, James E. See Hornyak, Emery J., Jr.
- Sherman, V. E. See Klimenko, M. M.
- Shestakov, A. I. See Emyashev, A. V.
- Shestakov, E. N. See Latyev, L. N.
- Shetterly, D. M. See Huff, N. T.
- Shetterly, D. M.; and Huff, N. T.
Mold surface temperature during glass-container forming. 60-04807A; Mold surface temperatures during glass container forming. 60-00220A
- Shetty, Dinesh Kumar; and Virkar, Anil V.
- Shetty, Dinesh Kumar; and Gordon, Ronald S.
Stress-relaxation technique for deformation studies in four-point bend tests—application to polycrystalline ceramics at elevated temperatures. 60-01982A
- Shetty, Dinesh Kumar; Rosenfield, Alan R.; and Bansal, Girraj K.
Biaxial fracture studies of a glass-ceramic. 60-00983A
- Shetty, Dinesh Kumar; Rosenfield, Alan R.; and McGuire, Paul
Biaxial flexure tests for ceramics. 60-00629A
- Shevchenko, A. V. See Lopato, L. M.
- Shevchenko, N. B. See Turik, A. V.
- Shvayakov, A. M.; Chekhovskii, V. G.; and Sizonenko, A. P.
Study of ligation in glasses of the system $\text{Na}_2\text{O-B}_2\text{O}_3\text{-SiO}_2$ by high-temperature Raman spectroscopy. 60-04887A
- Shiba, K. See Uagjin, Mitsuhiko
- Shibasaki, Ichiro; Ohmura, Kaoru; and Kimura, Takeo
Thin-film microcircuit board. 60-00604P
- Shibasaki, Yasuo; and Maeda, Takehisa
Phase analysis of TiO_2 and Fe_2O_3 in elutriated Kibushi and Gairome clays. 60-05220A
- Shibata, Hidetoshi; Tabata, Akira; and Kono, Takuo
Tundish relining technique using monolithic refractories with V-F process. 60-05130A
- Shibata, Hiroshi
Masking technique usable in manufacturing semiconductor devices. 60-01596P
- Shibata, Shozo See Suzuki, Kenzi
- Shibata, Shuichi; Takahashi, Shiro; and Mitachi, Seiko
Strength of multicomponent glass fibers. 60-03680A
- Shibayama, Kimio See Yamanouchi, Kazuhiko

- Shibazaki, Hiroji; Edagawa, Setsuji; and Okamoto, Yoshinaga
Method for improving calcium carbonate. 60-00684P
- Shiembob, L. T.; Stewart, O. L.; and Bill, R. C.
Development of sprayed ceramic seal system for turbine gas path sealing. 60-02946A
- Shigeta, Haruhiko
See Iida, Yoshihiro
- Shih, C. See Singh, Jitendra P.
- Shikano, Hiroshi
See Furumi, Koichi
- Shikita, Takuji
See Kawahara, Haryuiki
- Shikina, L. A.
See Kupriyanov, M. F.
- Shima, M. See Sato, J.
- Shima, Masao; and Itoh, Yoshinori
Refractories of flash furnaces in Japan. 60-01394A
- Shimada, J. See Hidaka, T.
- Shimada, Masahiko
See Ishitobi, Yu; Tsukuma, Koji
- Shimada, Nobuo
Changing ingot-making and continuous-casting refractories to an unshaped type. 60-05060A
- Shimada, Nobuo; and Kitani, Fukuichi
One example of nondestructive inspection of construction of monolithic refractories. 60-05097A
- Shimada, Shiro
See Kodaira, Kohei
- Shimada, Shiro; Kodaira, Kohei; and Matsushita, Toru
Effect of CdO addition on sintering of LiNbO_3 . 60-03067A
- Shimaguchi, Takashi
See Sakai, Junji
- Shimanski, N. F. See Bazylok, I. A.
- Shimasaki, Yasuo; and Yasui, Michio
Development of continuous mixer for castables. 60-05068A
- Shimazaki, Tadatoshi
See Tsuda, Akikazu
- Shimizu, Hiroki
See Watanabe, Tadahiho
- Shimizu, Ryuichi
See Ichimura, Shingo
- Shimizu, Tadashi
See Kimura, Tadamasu
- Shimohira, Takajiro
See Makishima, Akio
- Shimosuma, Wataru
See Sonoda, Nobuo
- Shimura, Fumio; Tsuya, Hideki; and Kawamura, Tsutomu
Precipitation and redistribution of oxygen in Czochralski-grown silicon. 60-03164A
- Shindo, Isamu
Determination of the phase diagram by the slow cooling float zone method—the system MgO-TiO_2 . 60-05593A; See also Kimura, Shigeyuki
- Shinji, Kimiatsu
See Suzuki, Kenzi
- Shinkai, Norihiko
See Ishikawa, Hiroyuki
- Shinkai, Norihiko; Bradi, R. C.; and Rindone, Guy E.
Fracture toughness of fused SiO_2 and float glass at elevated temperatures. 60-03522A
- Shinoda, Noboru
See Watanabe, Akira
- Shinoda, Yukinobu; and Kobayashi, Takashi
CVD Al_2O_3 films on III-V binary semiconductors. 60-05150A
- Shinozaki, Eichi
Method for manufacturing a diamond tool. 60-03303P
- Shinozaki, Masaru; and Senna, Mamoru
Effects of number and size of milling balls on the mechanochemical activation of fine crystalline solids. 60-05410A
- Shinozaki, Samuel S.
Pressureless method of forming a silicon carbide ceramic material. 60-03012P
- Shinozaki, Samuel S.; and Milberg, Morton E.
Electron microscopy study of the effect of iron in reaction-sintered silicon nitride. 60-04323A
- Shintani, Akira; and Nakashima, Hisao
Anomalous stress in thermal oxide of polycrystalline Si. 60-03033A
- Shintani, Akira; Sugaki, Shojiro; and Nakashima, Hisao
Temperature dependence of stresses in chemical vapor deposited vitreous films. 60-05296A
- Shintani, Takeshi; Utsumi, Atsushi; and Sukawa, Tadashi
Method of fabricating optical fiber preforms. 60-03779P
- Shioi, Ryoeichi; Uneya, Kazumasa; and Yonezuka, Kazunari
Heating element made of PTC ceramic material. 60-02739P
- Shiokawa, Nobuhiko
See Ohno, Hiroki
- Shionoya, Yasushi
See Inoue, Yasuo
- Shiosaki, Tadashi
See Yamamoto, Takashi
- Shiosaki, Tadashi; Fukuda, Susumu; and Sakai, Kazunori
Second harmonic generation in as-sputtered ZnO optical waveguide. 60-02699A
- Shiosaki, Tadashi; Yamamoto, Takashi; and Oda, T.
Low-temperature growth of piezoelectric AlN film by rf reactive planar magnetron sputtering. 60-02670A
- Shiota, M.; Tsutsumi, M.; and Uchida, K.
Synthesis of LaB_6 from BN and lanthanum-citrate-hydrate. 60-05715A
- Shiota, Masatoshi; and Hayashi, Yuichiro
Performance results of basic refractories used for VOD vessel. 60-00432A
- Shiotsuki, Takako
See Nishida, Tetsuaki
- Shiozaki, Yoichi
See Tanaka, Masahiro
- Shipilova, L. A.
See Gnesin, G. G.
- Shippy, Gordon
See Stewart, Bobbie G.
- Shiral, Shoza
Formation process of oxide precipitates in Czochralski-grown silicon crystals. 60-03088A
- Shiral, Yoshiki
See Matsumoto, Satoru
- Shirahashi, Satoshi; Fujiwara, Kunio; and Kurosaki, Shiro
Process for producing optical transmission fiber. 60-01289P
- Shiraki, Y. See Matsui, M.
- Shirasaki, Shinichi; Yamamura, H.; and Haneda, H.
Defect structure and oxygen diffusion in undoped and La-doped polycrystalline barium titanate. 60-05588A
- Shirk, James S.
See Wood, D. L.
- Shishido, Toetsu
See Yajima, Seishi
- Shisler, Donald E.
See Pallo, John M.
- Shivrin, O. N.
See Fofanov, A. D.
- Shkol'nikov, E. V.
Kinetics of crystal growth in $\text{M}_2\text{O}-2\text{SiO}_2$ glasses ($\text{M} = \text{Li}, \text{Na}, \text{K}$). 60-01075A; Relation between temperature and glass-tempering rate constant of doped As_2Se_3 glasses. 60-04850A
- Shlyakov, Yu. N.
See Berun, A. V.
- Shmatok, L. K.
See Davydenko, L. S.
- Shmitt-Fogelovich, S. P.
See Fisher, O. N.
- Shmorgunenko, N. S.
See Sizyakov, V. M.
- Shockey, D. A.; and Dao, K. C.
Improved impact fracture resistance in oxidation-toughened Si_3N_4 -20 vol% ZrO_2 . 60-01755A
- Shockey, D. A.; Erlich, D. C.; and Dao, K. C.
Particle impact damage in silicon nitride at 1400°C . 60-04379A
- Shoemaker, Bruce F.
See Strimple, Robert A.
- Shohata, Nobuaki; Matsumura, Takao; and Ohno, Tomeji
DLTS [deep level transient spectroscopy] measurement on nonohmic zinc oxide ceramic varistor. 60-02618A
- Shorina, N. K.; Rezapkin, Z. I.; and Shamsieva, T. A.
Production of refractories for ladles at the Orsk-Khalilovsk Metallurgical Combine. 60-00437A
- Short, P. D. H.
Production of flatware using the isostatic dry pressing process. 60-00490A
- Shoup, Robert D.; and Wein, William J.
Method of making controlled-pore silica structures for high temperature insulation. 60-00353P
- Shovskii, V. A.
See Sokol'skii, V. E.
- Shpynova, L. G.; Belov, N. V.; and Chikh, V. I.
Metamict state of Ca silicate hydrates in $\beta\text{-CaSi}_2$. 60-04550A
- Shpynova, L. G.; Belov, N. V.; and Sobol, Kh. S.
Hydration of portland cement at negative temperatures. 60-04540A
- Shpynova, L. G.; Tuzyak, V. E.; and Nikonets, I. I.
Corrosion of concrete in workshops for the production of alumina. 60-04518A
- Shreeve, Francesca M.
See Maries, Alan
- Shrivastava, U. C.
Temperature dependence of the elastic constants of alkali halides. 60-03224A
- Shstadel, S. K.; Kovalenko, A. I.; and Arkhipov, O. N.
Fabrication of lens blanks having reduced finishing allowances. 60-03507A
- Shtin, A. P.
See Dolinskii, A. N.
- Shudo, Taro; Kudo, Bossi; and Tamai, Yasushi
Lateral pulling growth of crystal ribbons and apparatus therefor. 60-04068P
- Shukla, V. N.
See De L'Epervier, A. Grandin; Narayan, J.
- Shul'gin, A. I.
See Yamshchikov, V. S.
- Shul'gin, B. V.
See Palvanov, V. P.
- Shulov, S. Ya.
See Semenov, N. N.
- Shul'ts, M. M.
See Shakhmatkin, B. A.
- Shul'ts, M. M.; Belyustin, A. A.; and Mogileva, V. V.
Concentration distribution and interdiffusion between ions in the surface layers of Na aluminosilicate glasses treated with aqueous solutions. 60-00992A
- Shul'ts, M. M.; Stolyarova, V. L.; and Semenov, G. A.
Mass spectrometric study of thermodynamic properties and vaporization processes in the $\text{Na}_2\text{O-B}_2\text{O}_3\text{-GeO}_2$ glass-forming melts. 60-00205A
- Shultz, Richard L.
Attack of aluminosilicate refractories by high manganese steel. 60-01330A
- Shultz, Richard L.; and Schroth, Peter H.
Refractories in the 1970's—review and outlook for the 1980's. 60-03907A
- Shulyak, R. S.
See Pitak, N. V.
- Shulyak, R. S.; Primachenko, V. V.; and Kravchenko, V. M.
Production of kaolin refractories at the Belokamenskoe grog plant. 60-00435A
- Shulz, W. W.; and Dreszen, A. L.
Conversion of radioactive ferrocyanide compounds to immobile glasses. 60-04121P
- Shumaker, G. H.; and Loadman, K. D.
Glass marking—methods and systems. 60-03535A
- Shur, M. S.
See Adler, D.
- Shushanashvili, A. I.
See Arabidze, A. Sh.
- Shushanashvili, A. I.; Mudzhiri, I. P.; and Tsanava, Ts. P.
Glaze [with increased heat resistance]. 60-05246P
- Shushanashvili, A. I.; Varazashvili, L. V.; and Tsanava, Ts. P.
Glaze [with increased heat and chemical resistances by adding ZnO]. 60-05245P
- Shuster, James S.
Fluid replacement system for hydraulic actuators for glass sheet shaping molds and method of press bending glass sheets. 60-04929P
- Shutova, R. F.; Petrova, V. Z.; and Morozova, T. M.
Glass [with decreased specific volume, resistivity, and linear thermal expansion coefficient by adding Al_2O_3 and CoO]. 60-04932P
- Shvelkin, G. P.
See Bazuev, G. V.; Pavlov, I. E.; Zainulin, Yu. G.
- Shvoroneva, L. I.
See Konoval, E. M.
- Siapkas, D.
See Koytsoudakis, A.
- Sibirskaya, I. A.; Syrkina, M. Ya.; and Shchetkina, T. Yu.
Production and hardening of decorative slag Portland cements. 60-04558A
- Sibley, W. A.
See Iverson, M. V.
- Sichkareva, A. Yu.
See Timashev, V. V.
- Sickafus, Edward N.
Surface analysis—a mixed bag of tricks. 60-02858A
- Sideris, K.
Temperature expansion maximum in the alkali-aggregate reaction. 60-02192A
- Sidorov, L. N.
See Karasev, N. M.
- Siebers, Johann
Thermally insulated composite article. 60-04268P
- Siegfried, Robert W.
Optical waveguide manufacturing process and article. 60-01285P
- Siegmund, Walter P.
Method of making graded refractive index fibers and rods. 60-02424P; Method of making omniateral lenses and plates. 60-01275P
- Sieling, Astrid
See Do Minh Dao
- Siemele, I.; Grigeline, I.; and Yanson, G.
Effect of γ irradiation on the physical-electrical properties of the alkali and alkaline earth niobates. 60-04006A
- Siemonsen, Hans P.
See Linberg, Waldemar; Roth, Mario
- Siemssen, Ernst A.
Furnace lining or burner cup element. 60-02543P; Method for making furnace lining [fiber]. 60-00462P
- Silich, L. M.; Bobkova, N. M.; and Borushko, N. A.
Effect of additives on the sintering and properties of talite ($\text{Al}_2\text{O}_3\text{-TiO}_2$). 60-04715A
- Silich, L. M.; and Vikaruk, L. N.
In spectroscopic study of the structure of glasses in the system $\text{SrO-BaO-Al}_2\text{O}_3\text{-TiO}_2\text{-SiO}_2$. 60-04781A
- Silin, A. R.; Skuja, L. N.; and Trukhin, A. N.
Intrinsic defects generation mechanisms in fused silica. 60-00192A
- Silva, Robert M.; and Orazio, Fred D., Jr.
Method of coating metal on a glassy body surface and resulting article. 60-04967P
- Silver, M.
See Adler, D.
- Silversmith, A. J.
See Khandelwal, P. K.
- Sil'vestrovich, S. I.
See Gaisinskii, G. Ya.
- Sil'vestrovich, S. I.; Al'takh, O. L.; and Smulyanskii, I. B.
Kinetics of Sn diffusion in glass. 60-00196A
- Sil'vestrovich, S. I.; Murashova, G. E.; and Shchegoleva, N. D.
Shock- and friction-induced surface weakening of industrial glasses. 60-04858A
- Sim, James W.
See Singh, Raj N.
- Sim, James W.; and Kinoshita, Kimio
Method of preparing a sintered lithium aluminate structure for containing electrolyte. 60-02772P
- Simenova, Yu.; Dimitriev, Ya.; and Dimitrov, V.
In spectroscopy of reduced lead-silicate glass. 60-04783A
- Simkovich, G.
See Pope, J. M.
- Simmat, Fritz
See Rau, Karlheinz
- Simmingskoeld, B. K. W.
See Carbol, V.
- Simmons, Catherine J.
Ion-exchange method for fabricating high-silica glasses. 60-03568A; See also Leskar, Arnold W.
- Simmons, Catherine J.; and Freeman, Stephen W.
Effects of phase separation on crack growth in borosilicate glass. 60-00143A
- Simmons, Joseph H.
See Macedo, Pedro B.
- Simmons, Joseph H.; Mohr, Robert K.; and Tran Danh Cong
Optical properties of waveguides made by a porous glass process. 60-01117A
- Simnad, Massoud T.
See Rouse, Carl A.
- Simohiro, Toshinobu
See Kanaya, Kensuke
- Simon, J.; and Schwarzkopf, F.
1500 ton/day lime-producing plant for the Sidor steelworks at Matanzas, Venezuela. 60-02069A
- Simon, M. R.
See Drummond, James L.
- Simonet, William
Soft lithium-titanium-zinc ferrite. 60-05350P
- Simonis, F.
Tin oxide as a spectral selective layer on black enamel. 60-02234A; 60-00092A
- Simonov, M. A.
See Bondareva, O. S.
- Simons, B.
See Sharma, S. K.
- Simopoulos, A.
See Maniatis, Y.
- Simpson, J. R.; MacChesney, John D.; and Walker, K. L.
High rate MCVD. 60-00177A
- Simpson, W.
Calumite slag—its benefit to glassmakers. 60-00115A; Glass raw materials and batch compositions. 60-03537A
- Sinclair, Roger N.; Desu, J. A. Erwin; and Etherington, George
Neutron diffraction studies of amorphous solids. 60-01106A
- Sinclair, William R.; and Van Roosbroeck, Willy W.
Method of making optical fibers utilizing thermophoretic deposition of glass precursor particulates. 60-03780P
- Sines, George
See Giovan, M. N.
- Sing, Kenneth S. W.
See Gimblett, Gareth
- Singh, G. D.
See Mohanty, P. N.; Nandi, D. N.
- Singh, Govind
See Singh, S. R.
- Singh, Gurnam
Method for low temperature bonding of silicon and silicon on sapphire and spinel to nickel and nickel steel and apparatus using such a bonding technique. 60-05328P
- Singh, Jitendra P.
See Satymurthy, K.; Thomas, J. R., Jr.
- Singh, Jitendra P.; Hasselein, D. P. H.; and Sa, W. M.
Microcracking in brittle composites. 60-02959A

- Singh, Jitendra P.; Satyamurthy, K.; and Thomas, J. R., Jr.
Analysis of thermal stress resistance of partially absorbing ceramic plate subjected to asymmetric radiation: II, Convective cooling at front surface. 60-03031A
- Singh, Jitendra P.; Shih, C.; and Hasselmann, D. P. H.
Effect of crack interaction on nature of strength loss in thermally shocked brittle ceramics. 60-05601A
- Singh, K. P. See Islam, N.
- Singh, M. See Tomozawa, Minoru
- Singh, M. P. See Lee, Johnson
- Singh, N. B. See Ludwig, Udo
- Singh, N. B.; and Ojha, P. N.
Changes in zeta potential during hydration of C₃S with and without CaCl₂ additions. 60-03343A
- Singh, P. N. See Mohanty, P. N.
- Singh, Raj N.
Fracture strength of a porous lithium aluminate structure for application in molten carbonate fuel cells. 60-00713A
- Singh, Raj N.; Dusek, J. T.; and Sim, James W.
Fabrication and properties of a porous lithium aluminate electrolyte retainer for molten carbonate fuel cells. 60-04111A
- Singh, S. N.
Practical solution to the problem of alumina buildup in nozzles during continuous casting of aluminum-containing steels. 60-01383A
- Singh, S. R.; and Singh, Govind
Lattice-imaging studies on intergrowth structures of silicon carbide. 60-03121A
- Singh, V. B.; and Joshi, V. C.
Physicochemical properties of clay deposits of Bina and Jhingurda mines of Singrauli coal field, Sidhi district (MP). 60-05222A; Utilization of Jhingurda clay of Singrauli coal field (Madhya Pradesh) for porcelain. 60-01496A
- Singh, Vipin Kant; and Ali, Mohammad Mujtaba
Formation kinetics of high alumina cement phases: I, Monocalcium aluminate. 60-00915A
- Singh, Vipin Kant; and Mandal, Upendra K.
Effect of soaps on the properties of portland cement. 60-00024A
- Singh, Vipin Kant; Narang, Krishan K.; and Ali, Mohammad Mujtaba
Effect of sulfanilic acid on portland cement. 60-00910A
- Singh, Vipin Kant; Narang, Krishan K.; and Mandal, Upendra K.
Effect of tannic acid on cement. 60-00911A
- Singhal, S. C.; and Bratton, R. J.
Stability of a ZrO₂(Y₂O₃) thermal barrier coating in turbine fuel with contaminants. 60-02233A
- Singhvi, A. K.; and Zimmerman, D. W.
Luminescent minerals in fine-grain samples from archeological ceramics. 60-03318A
- Sinha, A. K. See Retajczyk, T. F., Jr.
- Sinha, B. C. See Dasgupta, S.; Sen, R.
- Sinha, B. K.; and Tiersten, H. F.
Temperature dependence of the velocity of surface waves in quartz. 60-05722A
- Sinha, B. P.; and Hendry, A. W.
Behavior of a brick cross-wall structure. 60-03823A
- Sinha, Rakesh Kumar; and Bacheche, Jean R.
Creep of polycrystalline sodium chloride containing a dispersion of alumina. 60-00779A
- Sinkovec, M. George See Carter, Alfred G.
- Sinema, Hendrik
Apparatus for positioning prismatic bricks on a longitudinal small side, symmetrically with respect to each other. 60-03861P
- Sinsollier, C. See Deheul, A.
- Sinyakov, E. V.; Katkov, V. F.; and Osetskii, Yu. G.
Dielectric properties of Bi₂Te₂O₇. 60-05270A
- Slez, Dagmar
Ceramics of the first farmers (6000–2500 B.C.) in Serbia. 60-04498A; Majolica of the Renaissance in the State Ceramic Museum, Severs. 60-04505A
- Sircar, N. R. See Banerjee, N. C.; Banerjee, S. P.; Panti, B. N.; Roy, A. K.
- Sircar, N. R.; and Roy, A. K.
Phosphate-bonded alumina in relation to torsional creep. 60-05100A
- Sirhal, H.
Reduction of the specific heat consumption by a complex conception of the heat economy in the brick and tile industry. 60-01319A; Technical progress in the brick and tile industry in the Comecon countries. 60-05035A
- Sirimarco, Robert A.
Ceramic heat absorption panel. 60-02598P
- Sisoler, Gabriel M.; Spade, Vincent L.; and Sowman, James P.
Dam construction for controlling tin currents in a float glass chamber. 60-04925P
- Sisternmann, Klaus; and Gaertner, Hans
Method and apparatus for control of fiberization of thermoplastic material. 60-03763P
- Sitca, D.; Sen'kova, I. N.; and Freidenfelds, E.
Sintering of Pb zirconate-titanate solid solution in the presence of MnO, and Cr₂O₃ additives. 60-04041A
- Siviero, Gianbattista
Two majolica wares from Giuseppe Finck's shop in Bologna. 60-02067A
- Sivova, R. See Fekeldzhiev, G.; Kukusheva, M.; Vodenicharov, M.
- Sivova, R.; Radkova, A.; and Buchvarov, S.
Glaze quality assurance for ceramic products. 60-05209A
- Sizonenko, A. P. See Shevyakov, A. M.; Trofimenko, A. V.
- Sizonenko, A. P.; Danilova, R. A.; and Petrov, Yu. A.
Compositions based on glass 6CaO-2Al₂O₃-15SiO₂ with the addition of SiO₂. 60-03457A
- Sizyakov, V. M. See Andreev, V. V.; Korneev, V. I.
- Sizyakov, V. M.; Bilenko, L. F.; and Shmorgunenko, N. S.
Method for the production of alumina. 60-04194P
- Sjoeborg, E. L. See Berner, Robert A.
- Skaggs, Samuel R. See Ruh, Robert
- Skalny, Jan
Cement in the 80's—do we need research? 60-00019A
- Skarendahl, Ake
Fiber concrete. 60-02117A; See also Malmberg, Bo
- Skidan, B. S. See Demidenko, N. I.; Poluboyarinov, D. N.
- Skinner, Doyle P. See Cross, Leslie E.
- Skinner, Maurice W. See Dawson, David G.; Downing, Stephen B.
- Skolis, Yu. Ya. See Popov, S. G.
- Skork, Yu. I. See Kulkharskaya, E. V.
- Skripka, S. I. See Gorlov, Yu. P.
- Skripko, G. G.; and Babosova, A. K.
Effect of temperature-duration parameters of heat treatment on some properties of Sn- and Ti-containing glasses. 60-04773A
- Skritvan, Miroslav See Nemecek, M.; Stefan, Jaroslav
- Skritvan, Miroslav; and Stefan, Jaroslav
Two dimensional mathematical model of an electrically heated glass tank furnace. 60-04902A
- Skudlarski, K.; Syka, Z.; and Szpila, K.
Thermal analysis of the maturing nature of porcelain glazes. 60-05230A
- Skuja, L. N. See Silin, A. R.
- Skulisty, Stefan
Practical use of measuring homogeneity of glass by the Shelyubskii method. 60-04831A
- Skvara, Frantisek; Kolar, Karel; and Novotny, Jaroslav
Hydraulic binder setting at low temperatures. 60-03366A
- Slack, Glen A. See Huseby, Irvin C.
- Slack, Glen A.; and Knapp, Warren S.
Diamond and cubic boron nitride grinding wheels with improved silver alloy bonds. 60-02047P
- Slama, I. See Mala, J.
- Slough, Lynn H.
Modified gamma alumina composition. 60-01822P
- Sleight, Arthur W.
Heterogeneous catalysts. 60-02954A; See also Jarrett, H. S.
- Slepukhin, V. K. See Dolinskii, A. N.; Palvanov, V. P.
- Slin, H. See Fonteneau, G.
- Silvka, Rose
Exhibition review—a panorama of American ceramics. 60-03312A
- Slobodin, B. V.; Krasnenko, T. I.; and Fotiev, A. A.
Peculiarities of the interaction of V₂O₅ with the vanadates of Ca. 60-03149A
- Slobodin, B. V.; Tugova, N. P.; and Sharova, N. G.
Successive phase transformations in the interaction of the oxides of vanadium (5+) and magnesium. 60-04437A
- Sloaner, John F.
Role of fly ash brick manufacturing in energy conservation. 60-03848A
- Sloina, Jean-Pierre; Girard, Pierre; and Boucher, Jacques
Method of obtaining fiber substrates intended for the production of composite bodies. 60-00754P
- Slovanskikh, V. K. See Kuznetsov, N. T.
- Smalley, Howard F.; and Moss, Richard I.
Some current government activities relating to the porcelain enamel industry. 60-04646A
- Smart, R. M.; and Glasser, F. P.
Silicate anion constitution of lead silicate glasses and crystals. 60-03667A
- Smart, R. St. C. See Jones, C. F.
- Smay, Gary L.
Correlation between the electrical resistivity of tin oxide surface coatings and their microstructure. 60-00998A; See also Novak, John H.
- Smeltzer, Ronald K. See Wu, Chung P.
- Smirnov, A. E.; Urusovskaya, A. A.; and Govorkov, V. G.
Thermochemical dissolution of corundum. 60-04453A
- Smirnov, E. P.; Zhukov, S. G.; and Kopylov, V. B.
Treatment of refractory slabs. 60-01462P
- Smirnov, V. G.; and Sarkisov, P. D.
Alkali-poor opacified glasses. 60-00099A
- Smirnov, V. P. See Morozov, E. M.
- Smirnova, E. V. See Galant, V. E.
- Smirnova, G. T.; and Sazonova, M. V.
Composition of a coating for porous ceramics. 60-05236P
- Smirnova, M. M. See Keshishyan, T. N.
- Smith, A. M.
Birefringence induced by bends and twists in single-mode optical fiber. 60-00111A
- Smith, Charles L. See Minnick, L. John
- Smith, Charles W., Jr.; and Zimmerman, Franz X.
Apparatus for vacuum sintering and hot isostatic pressing. 60-04134P
- Smith, D. A.; and Cookson, P.
Internal degrees of freedom and anelasticity in glasses. 60-04775A
- Smith, D. N. See Glasser, L. S. Dent
- Smith, D. Wayne See Jupp, R. S.
- Smith, J. W. P. See Drake, C. F.
- Smith, James W. See Faust, William D.
- Smith, L. K. See Kersting, J. J.
- Smith, Lester N. See Allen, Ronald L.; Yearick, Daniel R.
- Smith, Marnell See Leiser, Daniel B.
- Smith, Michael P. See Blackburn, Martin J.
- Smith, Norman A. See Gulati, Suresh T.
- Smith, P. A. See Genis, A. P.
- Smith, R. B. L. See Swift, D. G.
- Smith, Robert E. See Jones, Janice Breedon
- Smith, T. M.
Gas fired radiant heater. 60-04181P
- Smith, Tennyson See Bivins, Lawrence
- Smith, William D. See Economy, James
- Smith-Johannsen, Robert
Freezing inorganic particulate slurries. 60-02999P
- Smithgall, D. H.; and Myers, D. L.
Drawing lightguide fiber. 60-03476A
- Smook, Richard H.
Method of producing a high density silicon carbide product. 60-01440P
- Smolin, Yu. I.; Shepelev, Yu. F.; and Domanskii, A. I.
Crystal structure of scandium metaphosphate Sc(PO₃)₃. 60-01861A
- Smorodnikov, V. P. See Biryukov, M. N.
- Smreck, Antonin
Influence of molten glass on corundum-baddeleyite tank blocks. 60-05090A
- Smulynski, I. B. See Sil'vestrovich, S. I.
- Smyth, Donald M. See Chan, N.-H.; Sharma, R. K.
- Smyth, Jay R. See Case, E. D.
- Snair, David See King, Dawn
- Snider, Edward A. See Friedrichs, James R.
- Snitzer, Elias See Krohn, David A.
- Snyder, Joseph E. See Strimble, Robert A.
- Snyder, Lawrence Clement; and Wasserman, Zeldia R.
Structure and stability of bipyramidal B₂O₃. 60-03205A
- Sobel, Jay E.; and Brand, Vincent T.
Refractory inorganic oxide fibers. 60-02562P
- Sobol, Kh. S. See Shpynova, L. G.
- Sobolev, A. S. See Palkin, A. P.
- Sobolev, E. V. See Rosinskii, F. F.
- Soboleva, K. L. See Kuznetsova, T. V.
- Sobor, Ede
Comparative evaluation of kilns for perlite expansion. 60-03875A
- Soederqvist, Gunnar M. T.; and Aberg, Ulf L.
Method for the production of mineral fibers with unitary fiber length characteristics. 60-01266P
- Soejima, Shigeo; and Yamamoto, Noboru
Ceramic honeycomb composite structure, catalyst supported thereby, and method of producing it. 60-02986P
- Soezima, Toshiyuki; and Kawai, Kenji
Steel ladle for Ca-injection treatment. 60-05126A
- Sofinskii, P. I. See Timashev, V. V.
- Sofinskii, P. I.; Timashev, V. V.; and Bol'shov, V. V.
Effect of CaF₂, CaCl₂, and CaSO₄ on clinker structure and cement properties. 60-00022A
- Soga, Naohiro See Hanada, Teichi; Hirao, Kazuyuki; Nasu, N.
- Sogomonyan, R. G.; Averb'yanova, L. N.; and Belyaev, I. N.
Physicochemical investigation of the system K₂B₄O₇-CaTiO₃-NdNbO₃. 60-03163A
- Soltau, M. J.
Mechanisms of laser-induced failure in antireflection-coated crystals. 60-03603A
- Soltau, M. J.; and Bass, M.
Laser-induced breakdown in crystalline and amorphous SiO₂. 60-02302A
- Soltau, M. J.; Porteus, J. O.; and Decker, D. L.
Laser-induced breakdown of diamond-machined window surfaces. 60-01076A
- Sok, Chibuy; and Baron, Jacques
Fracture mechanics applied to concrete. 60-03362A
- Sokel, Ralph J.
Electronic structure of silicon nitride. 60-03079A
- Sokol, Larry S. See McComas, Charles C.
- Sokolina, G. A. See Fedoseev, D. V.
- Sokolina, G. A.; Ippolitov, S. A.; and Bantsekov, S. V.
Temperature and frequency dependences of electrical conductivity of diamond ceramics. 60-04447A
- Sokolov, A. D.; Medvedev, Z. M.; and Moldavanov, V. P.
Al₂O₃-based ceramic material for coating piston rings. 60-01499P
- Sokolov, A. M.; Pelevin, O. V.; and Kirichenko, A. I.
Apparatus for pulling single crystal from melt on a seed. 60-01577P
- Sokolov, L. I. See Ugai, Ya. A.
- Sokolov, V. V. See Zapadaeva, T. E.
- Sokolova, S. E.; and Polyakov, I. P.
Phase transformations in refractories during smelting of lead-zinc ore concentrates. 60-00433A
- Sokol'skii, V. E.; Shovskii, V. A.; and Kazimirov, V. A.
Structure of glass-forming SiO₂ at high temperatures. 60-04883A
- Sokol, Theodore O.; and Niedzialkowski, John
Metal oxide varistor and method. 60-05320P
- Sokov, V. N. See Gorlov, Yu. P.
- Solacolu, C.
Influence of additives and clinker composition on the strength of cements in aggressive media. 60-02132A

- Solano, Lelia; Zandonadi, Alexandre R.; and De Souza Santos, Persio**
Rheological properties of sodium smectites obtained from dark green polycationic smectites from the Boa Vista district, Campina Grande, Paraíba—effect of temperature: 1. 60-05690A; Rheological properties of sodium smectites obtained from dark green polycationic smectites from the Boa Vista district, Campina Grande, Paraíba—effect of temperature: II. 60-05691A
- Solln, S. A.** See Wada, N.
- Solomon, Alvin A.; Cochran, K. M.; and Habermeyer, J. A.**
Isostatic hot-pressing of UO_2 . 60-05372A
- Solov'ev, A. I.; and Khodakov, G. S.**
Stability of the foam formed during the optical glass polishing process. 60-03675A
- Solov'eva, E. V.** See Troitskii, V. M.
- Solozhenko, V. L.**
Formation of Mg-Al spinels under high pressure and temperature conditions. 60-04311A
- Solt, G.; and Erdos, P.**
Lattice distortion and quadrupolar ordering in UO_2 . 60-04115A
- Somasundaran, Ponisseril; and Ananthapadmanabhan, K. P.**
Recovery of silicon carbide whiskers from coked, converted rice hulls by selective flocculation-liquid extraction. 60-04260P
- Sommer, Rolf; Schweinfurth, Gustav; and Ungerer, Heinz-Jürgen**
Process for the preparation of a composite mat consisting of a layer of mineral wool and a layer of steel wool. 60-05545P
- Sonder, E.** See Woosley, J. D.
- Sonder, E.; Spadaro, J. V.; and Weeks, Robert A.**
Penetration of surface damage resulting from abrasion and heating of MgO crystals. 60-04380A
- Sondermann, Thomas**
Method for manufacturing gadolinium-containing nuclear fuels. 60-0398P
- Sone, M.** See Hasegawa, Hiroshi
- Song, Chong Tak; Jinawath, Supatra; and Daimon, Masaki**
Hydration of supersulfated slag cement. 60-04541A
- Song, Chong-Tak** See Kondo, Renichi
- Song, Shen-tai; Pan, Hui-ying; and Feng, Jia-rong**
Structure of $La_{0.8}Sr_{0.2}CrO_3$ and its use for "conducting leads" as a substitute for Pt-Rh wire. 60-05293A
- Soni, N. C.** See Mohan, Ashok
- Sonobe, Kazuo; and Kato, Takeo**
Ceramic fiber. 60-05152P
- Sonoda, Nobuo; Shimotsuna, Wataru; and Tsubasaki, Shigeru**
Process of preparing conductive tin dioxide powder. 60-02787P
- Sopalechuk, L. S.** See Kraev, V. M.
- Sopicka-Lizer, M.; Pawlowski, Stanislaw; and Serkowski, S.**
Aluminosilicate fibers with a glass-ceramic structure. 60-03868A
- Sopko, John F.** See Postupack, Dennis S.
- Sordelli, Danilo** See Cinti, Giovanni
- Soroka, I. (Editor)**
Portland Cement Paste and Concrete. 60-03285B; See also Relis, M.
- Soroka, V. V.**
Pattern of 3-dimensional symmetry of crystal lattices of SiO_2 systems. 60-05663A; Space symmetry of crystalline structures with tetrahedral and octahedral coordination of atoms. 60-03200A
- Sorokin, I. N.** See Movsesyan, A. Kh.
- Sorokin, Yu. V.** See Cherkinskii, Yu. S.
- Sorokina, Nina P.**
Bibliography on glass for the period 1960-1979—Georgian Soviet Socialist Republic. 60-03306A
- Sotgiu, A.** See Momo, F.
- Soules, Thomas F.**
Molecular dynamic calculation of the structure of B_2O_3 glass. 60-04808A
- Soules, Thomas F.; and Varshneya, Arun K.**
Molecular dynamic calculations of a sodium borosilicate glass structure. 60-02316A
- Souquet, Jean Louis** See Ravaine, Denis; Ribes, Michel
- Sowman, James P.** See Sisoler, Gabriel M.
- Spadaro, J. V.** See Sonder, E.
- Spade, Vincent L.** See Sisoler, Gabriel M.
- Spadini, Gianpaolo** See Cerofolini, Gianfranco
- Spallanzani, Marco**
Chinese porcelain presented by Ferdinand I de Medici to Christian of Saxony. 60-03308A; Urbino Majolica in the collections of Cosimo I, Cardinal Ferdinand, and Francis I de Medici. 60-02068A
- Spear, Karl E.; and Wang, M. S.**
Thermochemical calculations on the LPCVD of Si_3N_4 and SiO_2 . 60-00843A
- Spear, Mike**
Asbestos substitutes under the microscope. 60-04468A; Powder classifier cuts inaccurate particle sizing. 60-04131A
- Spear-Zino, J. D.** See Hall, D. G.
- Spector, Murray; and Johnson, Chris F.**
Porcelain-enamelled steel printed wiring boards. 60-03420A
- Spellman, L. U.**
Overriding demand for energy conservation in the cement industry. 60-00923A
- Spencer, D. R. F.**
Refractories in the eighties. 60-01393A
- Spener, Gerhard** See Hrovat, Milan
- Spiehloltz, Gerald I.; and Kaplan, Flora S.**
Problem of lead in Mexican pottery. 60-03970A
- Spierings, G. A. C. M.; and Melis, G. F.**
Refractive index and density of alkali lime borogermanate glasses. 60-03657A
- Spillman, Jane Shadel**
Collector's choice—some 19th century glasses from the Strauss Collection. 60-02058A; Glasses with American views—addenda. 60-03315A
- Spindler, A.** See Steinert, H. E.
- Spinnler, Gerard E.; and Chang, Luke L. Y.**
Phase relations in the systems A_2O -metal oxide- WO_3 ($A = Li, Na$; metal = Fe, Cr, Sn, Zr, Th, V). 60-05671A
- Spirenkova, V. I.** See Ugrumova, M. A.
- Spitsyn, V. I.; Dunayeva, K. M.; and Dubrovina, A. V.**
Carboxylates of uranium as starting compounds for oxide synthesis. 60-02798A
- Spitzbari, Herbert** See Heimsoth, Dietrich A.
- Spitzer-Aronson, Martha**
Contribution of physical research techniques to a better understanding of medieval stained glass techniques. 60-04499A; Layers and profiles of SiO_2 , $CaOH$, and KOH polyatomic ion groups found in glass, as an effect of a special corrosion. 60-01077A; New corrosion study of glasses by electronic treatment of digitalized X-ray images. 60-01107A
- Spittgerber, Heinz; Zachauer, Karl-Heinz; and Endler, Wolfgang**
Process for producing epitaxial semiconductor material layers on monocrystalline substrates via liquid phase shift epitaxy. 60-04092P
- Spowart, Alexander R.**
Glass scintillators for pulsed neutron diffraction. 60-00172A
- Springer, George S.** See Loos, Alfred C.
- Spycher, Anton A.**
Composite glass-plastic lens blanks resistant to shattering. 60-03735P; Direct casting method for producing low-stress glass/plastic composite lenses. 60-00312P; Method for casting glass-plastic lenses comprising allyl diglycol carbonate plastic. 60-02415P; See also Gulati, Suresh T.
- Srbek, Frantisek; Hanykry, Vladimir; and Kunes, Karel**
Improvement of the mechanical resistance of porcelain. 60-02589A
- Srinivasagopalan, S.; Srinivasan, M.; and Weber, G. W.**
Proof-test studies in sintered alpha silicon carbide. 60-00723A
- Srinivasan, M.** See Seshadri, S. G.; Srinivasagopalan, S.
- Srinivasan, V.** See Bansal, C.
- Srivastava, C. M.** See Prakash, Om
- Srivastava, K. K.** See Kumar, Ashok; Panwar, O. S.
- St. John, Charles F.; and Mercier, Gil A.**
Manufacture of cement. 60-04590P
- St. Pierre, Philippe D.; Morelock, Charles R.; and Birlie, John D.**
Polycrystalline diamond and/or cubic boron nitride body and process for making said body. 60-00756P
- Stabenow, Rainer; and Fild, Josef**
Relation between volumetric structure, modulus of elasticity, and grinding behavior of ceramic bonded corundum grinding wheels. 60-04488A
- Stacey, M. H.** See Wilson, Stephen John
- Stach, J.** See Monkowski, Joseph R.
- Stafford Smith, B.; Khan, M. A. H.; and Wickens, H. G.**
Tests on wall-beam structures. 60-03857A
- Stajnoch, Vitezslav** See Scheufler, Vladimir
- Stalberg, Roberta Helmer; and Nesl, Ruth (Editors)**
China's Crafts—the Story of How They're Made and What They Mean. 60-00855B
- Stalcup, Robert K.** See Prew, Karl M.
- Staley, Warren D.**
Neck ring mechanism. 60-04978P; See also Scholl, John J.
- Stall, R. A.; Wood, C. E. C.; and Kirchner, P. D.**
Growth parameter dependence of deep levels in molecular beam epitaxial GaAs. 60-02295A
- Stalter, Thomas L.**
Role of eight selected metals in porcelain enamel. 60-04644A; See also Vondracek, Frank
- Stamires, Dennis** See Alafandi, Hamid
- Stanescu, Anghel**
Metallic economizer for burnt gases. 60-04801A
- Stanley, C. R.** See Macfadyen, D. N.
- Stanulonis, John J.** See Swift, Harold E.
- Stanworth, J. E.**
Glass formation from melts of nonmetallic compounds of the type A_2B . 60-04755A
- Staples, Luke** See Harris, Denis I.
- Starchevskaya, E. A.** See Paschenko, A. A.
- Stark, Friedrich** See Aichert, Hans
- Stark, Jochen; Mueller, Anette; and Schrader, Richard**
Active belite cement: I, Statement of goals, experimental program, initial results. 60-04309A
- Stark, Jochen; Ruempfer, Karlheinz; and Schrader, Richard**
Active belite cement: II, Influence of cooling conditions on cement strength. 60-04510A
- Stark, Ronald A.** See Allegro, Richard A.
- Stark, Thomas F.** See Swilling, James W.
- Starka, Daniel C.**
Coating composition for glass fibers and coated glass fibers made from it. 60-03733P
- Starke, Helmut** See Stoer, Manfred
- Starling, Lynn B.; Stephan, James E.; and Stroud, Robert D.**
Shrink-free ceramic and metal and raw batch for the manufacture thereof. 60-03994P
- Staronka, Andrzej; and Holtzer, Mariusz**
Model testing of solubility in sulfuric acid solutions, of a product formed of Fe_2O_3 and ZnO mixture during the tandem steelmaking process and present in waste gases. 60-01370A
- Starrett, H. S.** See Gentilman, Richard L.
- Starshinov, B. N.** See Tolstaya, V. Ya.
- Staršev, Yu. K.** See Mazurin, O. V.
- Stasevich, V. A.** See Zinevich, V. G.
- Stavastyi, N. N.** See Ignatyuk, V. A.
- Stebnaka, I. Ya. (Editor)**
Effectiveness of Building Materials Made from Glass and Slag-Glass Ceramics (Effektivnost Stroitel'nykh Konstruktsii iz Stekla i Shlakosistallov). 60-03272B
- Steckl, A. J.; and Mohammed, G.**
Effect of ambient atmosphere in the annealing of indium tin oxide films. 60-02625A
- Steder, R. H.**
Energy conservation—the industrial/governmental interface. 60-02023A
- Steele, B. C. H.** See Burkin, A. R.
- Steele, Ian M.; Pluth, J. J.; and Ito, Jun**
Crystal structure of synthetic $LiSiO_3$ (olivine) and comparison with isotopic $MgSiO_3$. 60-03053A
- Steenvoorden, G. K. (Compiler)**
Proceedings, [2nd] European Hybrid Microelectronics Conference, 1979. 60-00864B
- Stefan, Jaroslav**
Flow of molten glass in the throat of electric glass tank furnaces. 60-04745A; See also Nemecek, M.; Skrivan, Miroslav
- Stefan, Jaroslav; and Skrivan, Miroslav**
Three dimensional mathematical model for projecting the power supply for an electric glassmelting tank. 60-04897A
- Stefan, Jaroslav; Skrivan, Miroslav; and Fojtikova, M.**
Calculation of bubble paths during refining in the glass tank furnace. 60-04675A
- Stefanescu, Stefan**
Problems regarding calculation of the net production indicator in the fine ceramics industry. 60-05224A
- Stefanov, St.**
Effect of electrolytes on the phase composition and structure of ceramic wares obtained from marly clays. 60-00414A; Even the climate plays a part—factors to be considered in the use of a clay in Iraq. 60-05019A
- Steiger, Roger A.**
Submicron carbon-containing titanium boride powder and method for preparing it. 60-04266P; See also Hazel, John G.
- Stein, Dale Franklin** See Jupp, R. S.
- Stein, Hans Nikolaus**
Properties of interfaces between liquid and solid phases. 60-00821A; Strength of hardened cement. 60-00047A
- Steinberg, Albert H.; and Ward, Lowell G.**
Process of forming a glass fiber reinforced, stampable thermoplastic laminate. 60-02441P
- Steinbiss, E.**
Effect of tyre clearance and tyre ovality on kiln shell deformation. 60-02105A
- Steinert, H. E.; and Spindler, A.**
Programmable control devices for processing measured variables of the new coal grinding plant at the Lagerdorf works. 60-02180A
- Steinfeld, Karl** See Schiller, Siegfried
- Steitz, William R.** See Scifrid, George B.
- Steitz, William R.; and Hilscher, Carl W.**
Design considerations for all-electric glassmelts: II. 60-02262A
- Stenger, C. G. F.; and Burggraaf, Antonie J.**
Phase transitions and properties of tetragonal $(Pb,La)(Zr,Ti)O_3$ ceramics: I, Phase diagram and β -phase. 60-01945A; Phase transitions and properties of tetragonal $(Pb,La)(Zr,Ti)O_3$ ceramics: II, Diffuse phase transitions and thermodynamics. 60-01946A; Phase transitions and properties of tetragonal $(Pb,La)(Zr,Ti)O_3$ ceramics: III, Transitions induced by electric fields. 60-01947A
- Stengle, Edward J.**
Method of coating hot glass contacting surfaces. 60-04966P
- Stenina, N. G.** See Bazarov, L. Sh.
- Stenius, Per** See Le Bell, Jean C.
- Stepanek, Premek; and Bleckmann, Hugo**
System for the formation into pellets of mixtures of raw materials for glass. 60-02455P
- Stepanov, V. A.; Bershtein, V. A.; and Emel'yanov, Yu. A.**
Secondary relaxation transitions in alkali silicate glasses. 60-00265A
- Stepanov, E. A.; Govorkov, V. G.; and Kharitonov, Yu. A.**
Anisotropy of the brittleness of Y-Al garnet crystals. 60-05557A
- Stephan, James E.** See Starling, Lynn B.
- Stephenson, Scott G.** See Hanusiak, W. M.
- Stepien-Damm, Julia; and Lakaszewicz, Kazimierz**
Oriented growth and crystal structure of phases precipitated in Eu^{3+} -doped NaCl single crystals. 60-05662A
- Stepisnik, Jacek; Lakac, Matjaz; and Kocuvan, Ivan**
Measurement of cement hydration by ultrasonics. 60-02148A
- Sterling, Stewart A.** See Kaac, James L.
- Stevens, J. M.**
Local motions in vitreous systems. 60-01919A
- Stevens, Gary**
Color control in decal systems and its implications for decorating ceramics. 60-01472A

- Stevens, Harrie J., Jr.**
Temperature and compositional variations of the longitudinal and transverse elastic wave velocities in silicate glasses. 60-0287A
- Stevenson, James F.**
Electrically heated glass forehearth. 60-02383P; Forehearth electric heating controlled by conductance. 60-02283A
- Stewart, Bobbie G.; Cavanaugh, G. Thomas; and Shippy, Gordon**
Industry looks at energy conservation—a panel presentation. 60-04623A
- Stewart, Clive E. E.; Rosser, William J. N.; and Ansell, Martin P.**
Glass encapsulation of semiconductor devices. 60-05315P
- Stewart, David G.** See Ball, William J.
- Stewart, O. L.** See Shimbob, L. T.
- Stewart, R. L.; and Bradi, R. C.**
Fracture of polycrystalline $MgAl_2O_4$. 60-00795A
- Stewart, R. L.; Iwasa, Mikio; and Bradi, R. C.**
Room-temperature K_{IC} values for single-crystal and polycrystalline $MgAl_2O_4$. 60-03183A
- Sticher, J.** See Pelton, A. D.
- Stieff, Lorin R.**
Field method for detecting deposits containing uranium and thorium. 60-00643P
- Stieglerschmitt, Alfons** See Tomandl, Gerhard
- Stierle, Barbara** See Ziegler, Renate
- Stiglich, J. J.; and Bhat, D. G.**
Erosion and wear properties of some proprietary ceramic and metallic materials. 60-00710A
- Stinchcomb, W. W.** (Editor)
Mechanics of Nondestructive Testing. 60-03281B
- Stoch, Leszek** See Stoch, Zofia
- Stoch, Zofia; and Stoch, Leszek** (Editors)
Technological Properties of Glass Sands Based on Mineralogical Data (Własności Technologiczne Piaszków Skłarskich w Świecie Wyników Baden Mineralogicznych). 60-02038B
- Stoček, L. G.** See Likhomanova, N. A.
- Stockhorst, Heinz** See Brueckner, Rolf
- Stoebe, T. G.** See Las, W. C.
- Stoerr, Manfred; Starke, Helmut; and Mueller, Wolfgang**
Filtration properties of kaolin slurries of the GDR containing muscovite-montmorillonite mixed-layer mineral. 60-05207A
- Stoev, St.**
Vibroacoustics—the benefits to industrial minerals. 60-04164A
- Stoicovici, Eugen; and Madaras, Alexandru**
New discoveries of kaolin clay materials. 60-05480A
- Stokes, John J., Jr.; and Crooks, James H.**
Dip brazing flux. 60-00096P
- Stolen, R. H.** See Dziedzic, J. M.; Pleibel, William
- Stolyarova, V. A.; Timashev, V. V.; and Osokin, A. P.**
Effective use of Mn-containing blast furnace dust in the production of portland cement. 60-04530A
- Stolyarova, V. L.** See Shul'ts, M. M.
- Stone, F. T.; and Triyal, B. K.**
Loss reduction in optical fibers. 60-01083A
- Stoneham, A. M.**
Ceramic surfaces—theoretical studies. 60-01850A; See also Catlow, C. R. A.; Harding, J. H.
- Stookey, Stanley D.**
Color photographic process utilizing polychromatic glass. 60-03734P; See also Bartholomew, Roger F.
- Storch, W.** See Frenz, V.
- Storchheim, Samuel**
Method of and apparatus for hot-pressing particulates. 60-02825P
- Stork, Willem H. J.** See Kouwenhoven, Herman W.
- Storz, F. G.** See Cheng, Julian
- Sios-Fertner, Z.; Hedges, R. E. M.; and Evelyn, R. D. G.**
Application of the XRF-XRD method to the analysis of the pigments of Minoan painted pottery. 60-00882A
- Stoliar, S. C.; McLellan, E. J.; and Gibbs, A. J.**
10.6 μ m damage threshold measurements on sub-one-hundred picosecond pyroelectric detectors. 60-03996A
- Stotler, David V.** See Sanders, James E.
- Stowell, Donald E.; Scamehorn, John F.; and Bendig, Larry L.**
High pore volume alumina powders. 60-00745P
- Stranger, S.; and Becker, A.**
Investigations of the economy of filtering dust precipitators with the aid of mathematical models. 60-02143A
- Stratton, Richard W.** See Bischoff, Klaus
- Straupe, E.** See Christie, Olav H. J.
- Strauss, E.** See Broer, M. M.
- Straždas, K.** (Editor)
Production Technology of Glass (Stiklo Technologija). 60-02036B
- Streh, Alan J.** See Harvey, Douglas G.
- Streifer, William** See Ponce, F. A.
- Strekachinski, A. B.** See Krokhina, A. G.
- Strelou, K. K.** See Gogotsi, G. A.; Grishenkov, E. E.
- Strelou, F. W. E.**
Quantitative separation of samarium from neodymium by anion exchange chromatography in dilute nitric acid-methanol. 60-05442A
- Streng, DeWayne A.**
Method for making multiple optical core fiber. 60-01261P
- Streffler, M. E.; Barsch, G. R.; and Akimoto, Syun-Idi**
Infrared absorption spectra of spinels Fe_2SiO_4 and Co_2SiO_4 . 60-05630A
- Strienitz, Rolf** See Zoenchen, Werner
- Strimple, Robert A.; Snyder, Joseph E.; and Shoemaker, Bruce F.**
Method for measuring the thickness of a refractory in a metallurgical apparatus. 60-05170P
- Strnad, Zdenek**
Liquid-liquid immiscibility in multicomponent glasses. 60-00200A
- Strobl, W.**
Model investigations of the fiber reinforcement of ceramic materials. 60-04218A
- Stroe, I.; Szabo, A.; and Petri, L.**
Multite-corundum refractories for furnaces used in the aluminum industry. 60-03171A
- Strohmeier, H.** See Fitzer, Erich
- Stroud, Robert D.** See Starling, Lynn B.
- Struchkov, A. A.** See Portachenko, L. A.
- Struckmann, Holger**
Apparatus and method of heating particulate material. 60-03391P
- Strunz, V.** See Gross, Ulrich Michael
- Stubican, Vladimir S.** See Ray, Siba P.
- Stubny, G.** See Horvath, Z. J.
- Suelpnagel, Klaus** See Scheidig, Klaus
- Stultz, James C.; and Pecoraro, George A.**
In-situ repair of delaminated float bath bottom refractory. 60-01251P
- Stupeneva, V. M.; and Chelnokov, A. A.**
Thermogravimetric study of charges in the system $SiO_2-TiO_2-Al_2O_3-MgO-CaO$. 60-05729A
- Stupp, Edward H.; and Turnbull, Andrew A.**
Method of bonding crystal layers to insulating substrates. 60-02762P
- Sturge, M.** See Manson, Neil B.
- Sturgill, Dennis T.** See Nycz, James A.
- Sturman, B. T.** See Dunn, J. G.
- Styron, Robert W.**
Bottom ash lightweight aggregate. 60-03339A; Leach-resistant solid bodies from fly ash and heavy metal sludge. 60-00060P; See also Fowler, G. Gary
- Su, Liang-he**
Petrology and steel manufacture. 60-01380A
- Su, P.; Sher, A.; and Tsao, Y. H.**
Improved characterization of the Si-SiO₂ interface. 60-03103A
- Su, W. M.** See Singh, Jitendra P.
- Subba Rao, B. V. S.**
Application of bioceramics—carbon ceramics for heart valve prosthesis. 60-05501A
- Subbarao, E. C.** (Editor)
Solid Electrolytes and Their Applications. 60-03293B; See also Desu, S. B.; Gupta, Tapan K.
- Subbarao, E. C.; and Wallace, W. E.** (Editors)
Science and Technology of Rare Earth Materials. 60-04482B
- Subbotin, D. M.; and Milashevskii, I. I.**
Frit-free glaze. 60-05241P
- Subochev, I. G.** See Gaudu, A. N.
- Subramanian, Brinda; and Bansigir, K. G.**
Dislocation density and microhardness studies in KCl-KBr mixed crystals. 60-01877A
- Subramanian, K.** See Samanta, Shyam K.
- Subramanian, P.; and Arunachalam, V. R.**
Simple device for the determination of sphericity factor. 60-02855A
- Subri, Jan; Hanslik, Tomas; and Tlaskal, Jaroslav**
Thermal stability of γ -ferric oxide oxyhydroxide (lepidocrocite) in aqueous suspensions. 60-03232A
- Suchanski, Mary R.; and Bishara, Jeris I.**
Method [for] and electrode with manganese dioxide coating. 60-04069P
- Suckow, A.** See Hoelscher, M.
- Sudo, Shoichi** See Eadhiro, Takao; Nakahara, Motohiro
- Sudo, Shoichi; Okazaki, Hisaki; and Nakahara, Motohiro**
Transmission properties of 30.4 km VAD fiber. 60-02350A
- Suehiro, Kensuke** See Azuma, Yasuo
- Sugahara, Yujiro; Naito, Hiroyuki; and Takai, Kiyoshi**
Process for treating bauxite or similar raw material. 60-04197P
- Sugaki, Shojiro** See Shintani, Akira
- Sugama, Toshifumi; Kuckacka, L. E.; and Horn, W.**
Effects of tobermorite and calcium silicate hydrate(I) crystals formed within polymer concretes. 60-03356A
- Suganuma, Tanezo** See Matsumura, H.; Miyauchi, Katsuki
- Sugi, Tomomitsu** See Chudo, Akira
- Sugikawa, Susumu; Maeda, Mitsuru; and Tsujino, Takeshi**
Process for a gasification of graphite. 60-00618P
- Sugimoto, Hiroyuki** See Yoshino, Shigeo
- Sugimoto, Tetsuya** See Watanabe, Akira
- Sugimura, Akira; Daikoku, Kazuhiko; and Imoto, Nobuyuki**
Wavelength dispersion characteristics of single mode [silica] fibers in low-loss region. 60-02721A
- Sugishita, Nobuyuki** See Abe, Katsuo
- Sugura, Isao** See Yamazoe, Hiroshi
- Sugiyama, Masahiko** See Ishii, Shinya
- Suh, Nam P.**
Method for forming metal, ceramic, or polymer compositions. 60-05326P
- Suh, Nam P.; and Fillion, Paul D.**
Optimization of cutting tool properties through the development of alumina cermet. 60-01769A
- Suh, Nam P.; Fillion, Paul D.; and Lee, Sang H.**
Aluminum oxide-containing metal compositions and cutting tool made therefrom. 60-00738P
- Sukawa, Tadaaki** See Shintani, Takeshi
- Sukhorukikh, V. S.; and Kharitonov, A. I.**
Improved method of interferometry employing a spectrograph and time scan. 60-04150A
- Suleimenov, A. T.** See Timashev, V. V.
- Sullivan, Charles T.** See Mueller, Craig T.
- Sullivan, J. M.** See Jakus, Karl
- Sullivan, James D.**
Glass-metal reactions and physical properties of enamels. 60-04615A
- Sullivan, Timothy A.**
Bushing blocks. 60-03731P
- Sulzer, H.**
Self-igniting high-speed burners for tunnel kilns. 60-02888A
- Sumino, Koji** See Sato, Fumio
- Summers, Geoffrey P.**
Optical absorption and emission near the band edge of SrO . 60-03138A; See also Brewer, J. D.; Jeffries, B. T.
- Summers, Geoffrey P.; White, G. S.; and Lee, K. H.**
Radiation damage in $MgAl_2O_4$. 60-03174A
- Sumrov, V. V.; and Pirogov, F. V.**
Temperature dependence of the width of the forbidden zone and localized states in the forbidden zone in chalcogenide glasses $As_{100-x}Se_x$ and $As_{100-x}S_x$. 60-03700A
- Sun, C. P.** See Balluffi, R. W.
- Sun, Hong-wei; Jiang, Ya-shi; and Hu, Xin-yuan**
Radio frequency melting of laser glasses. 60-01143A
- Sun, T. S.** See Menetrier, Danielle
- Sunahara, Kazuo** See Watanabe, Kiyoshi
- Sundaram, K. B.** See Bhagavat, G. K.
- Suntsov, N. V.** See Arkharov, V. I.
- Suoninen, E.** See Cudraru, I. M.
- Supan, Edward C.** See Dolowy, Joseph F., Jr.
- Suplakas, R.** See Cornie, J. A.
- Suprunov, V. A.** See Il'icheva, L. A.
- Surappas, M. K.; and Rohatgi, P. K.**
Preparation and properties of cast aluminum-ceramic particle composites. 60-04221A
- Surgeon, Ioan; Dragut, Lucian; and Benea, Floarea**
Investigation and development of some new types of welding materials. 60-02230A
- Suri, A. K.; Nimmagadda, R.; and Bunsbah, Rointan F.**
Influence of ion implantation and overlay coatings on various physicochemical and wear properties of stainless steel, titanium, and aluminum. 60-01757A
- Suroviak, Zygmunt** See Loposko, Mirosław
- Susa, Kenzo** See Tsukuda, Yasuo
- Susa, Nobuhiko; Kanbe, Hiroshi; and Ando, Hiroaki**
Plasma enhanced CVD Si_3N_4 film applied to InP avalanche photodiodes. 60-01950A
- Susey, Peter E.** See Chambers, David H.
- Suter, G. T.; Keller, H.; and Hall, J. S.**
Case study of a typical load bearing masonry apartment building in Ottawa, Canada. 60-03825A
- Suto, K.** See Kawai, Z.
- Sutton, David L.** See Rao, Prabhakar P.
- Sutton, Willard H.; and Johnson, Walter E.**
Method of improving the susceptibility of a material to microwave energy heating. 60-00669P
- Suvorov, S. A.; Kolomoitsev, V. V.; and Makarov, V. N.**
Charge for producing gas-permeable refractory materials. 60-01427P
- Suzaki, Yasuzi** See Fujita, Hiroyuki
- Suzuki, C. K.; Doi, K.; and Kohra, K.**
Very-small-angle X-ray scattering from amorphous silica before and after thermal neutron irradiation. 60-00849A
- Suzuki, Hideto; Hayashi, Shunichi; and Yoshioka, Takahiro**
Epoxy resin compositions for sealing semiconductors [inorganic filler]. 60-05312P
- Suzuki, Hiroshige** See Hase, T.; Iseki, Takayoshi
- Suzuki, J.; Kato, T.; and Mishima, M.**
Refining and homogenizing progress studied by the two-dimensional numerical model. 60-00259A
- Suzuki, Kazuo** See Ishizuka, Hiroshi
- Suzuki, Kazutaka** See Ito, Suketoshi
- Suzuki, Kenji; Shinji, Kimiatsu; and Shibata, Shozo**
Determination of rare earth elements using electron excited emission spectrometry. 60-05592A
- Suzuki, Minoru; Murakami, Toshiki; and Inamura, Takahiro**
Preparation of superconducting $BaPb_{1-x}Bi_xO_3$ thin films by rf sputtering. 60-00516A
- Suzuki, Shigeo** See Takagi, Miko
- Suzuki, Shozo** See Yamanishi, Toru
- Suzuki, Suguru** See Abe, Yoshihiro
- Suzuki, Suguru; and Abe, Yoshihiro**
Fré volume of some oxide glasses at the transition temperature. 60-03523A
- Suzuki, Takashi** See Horita, Hiromitsu
- Suzuki, Yoshihiro** See Watanabe, Akira
- Suzuki, Yoshiro** See Ohta, Hironori
- Svec, J. J.**
Automatic compliments handmade tradition. 60-00109A; Elektroporcelan [Louny [Czechoslovakia] dry presses electronic ceramics, electrical porcelain. 60-00483A; Porcelain reflects century of experience. 60-00489A
- Svec, Paul S.** See Ledder, Glenn W.
- Swinka, R.** See Sedmale, G.
- Sviridova, A. I.** See Troitskii, V. M.
- Svirskii, L. D.; Pantus, N. A.; and Knabe, E. Ya.**
Material for primer enamel used on steel. 60-00970P
- Svistunova, G. P.** See Abramov, V. V.

- Swain, Michael V.**
Fracture mechanics description of the microcracking about NiS inclusions in glass. 60-00167A; Grinding-induced tempering of ceramics containing metastable tetragonal zirconia. 60-00798A; Nickel sulfide inclusions in glass—an example of microcracking induced by a volumetric expanding phase change. 60-02319A; See also Hannink, Richard H. J.; Kirchner, Henry P.
- Swain, Michael V.; Metras, J. C.; and Guilleme, C. G.**
Deformation and fracture mechanics approach to the scoring and breaking of glass. 60-00128A
- Swaminathan, K. S.**
Role of refractories in energy saving in iron and steel industry. 60-00446A
- Swank, Lewis R.; and Williams, Robert M.**
Correlation of static strengths and speeds of rotational failure of structural ceramics. 60-05505A
- Swarowski, Daniel**
Glass mirror film, and methods for its production and use. 60-01242P
- Swarts, E. Lowell** See Baitinger, William E.
- Sweeting, Truett B.**
Process for the manufacture of ceramic oxide fibers from solvent solution. 60-04993P
- Swenson, Ric**
Potters' ribs. 60-00896A
- Swift, D. G.; and Smith, R. B. L.**
Flexural strength of cement-based composites using low modulus (sisal) fibers. 60-04210A
- Swift, Harold E.; Stanoulis, John J.; and Reynolds, Elizabeth H.**
Alumina-aluminum phosphate-silica-zeolite catalyst. 60-00737P; Magnesia-alumina-aluminum phosphate-zeolite catalyst. 60-00749P
- Swilling, James W.; and Stark, Thomas F.**
Electrode heating device for use in glassmelting furnaces. 60-00317P
- Swyter, H.-H.**
Forty cm thermal insulation under a clay tiled roof? 60-02476A; Rationalization of clay winning. 60-01318A
- Sychev, A. P.** See Toguzov, M. Z.
- Sychev, M. M.** See Buti, Yu. M.
- Sycheva, L. I.** See Timashev, V. V.
- Sycheva, M. I.** See Zakharenko, N. I.
- Syed, R.; Gavin, D. L.; and Moynihan, Cornelius T.**
Shape of complex resistivity arcs for ionically conducting glasses. 60-04857A
- Symes, W. R.** See Coulomb, G.
- Symon, Charles R.** See Thompson, Arthur H.
- Syrkin, M. Ya.** See Sibiryakova, I. A.
- Syska, Jan R.** See Lewis, Edward L.
- Syska, Z.** See Skudlarski, K.
- Syukuya, Akio** See Naito, Kiyoshi
- Szabo, A.** See Dragomir, C.; Motoc, Stefania; Stroe, I.; Velisar, Anica
- Szabo, Istvan** See Kocsis, Geza
- Szabo, Istvan; and Kocsis, Geza**
Feldspar-containing sand as glass batch material. 60-01044A
- Szabo, P.**
High-insulating brickwork designs. 60-02478A
- Szala, Lawrence E.** See De Vries, Robert C.; Lee, Mingyong Szargut, Jan; and Kozel, Joachim
- Szargut, Jan; and Kozel, Joachim**
Optimization of the number and diameter of tubes in a convective recuperator. 60-05463A
- Szeftel, J.**
Local symmetry and chemical characteristics of the arsenic site in arsenic-containing glasses. 60-03591A
- Szendi-Horvath, G.**
Fracture toughness determination of brittle materials using small to extremely small specimens. 60-01664A
- Szendro, I.; and Marton, E.**
Low pressure deposition of silicon nitride by SiCl₄ and NH₃ reaction. 60-04027A
- Szentgyorgyi, Geza** See Kapolyi, Laszlo
- Szep, Alexandru; Leonte, Cornelia; and Balasanian, Ion**
Elaboration of balance equations in the glassmelting process and computer analysis. Fuel combustion. 60-04728A
- Szlachta, Stanislaw; and Jedras, Kazimierz**
Evaluation of the operation of cocurrent-flow regenerative shaft furnaces for burning lime. 60-00912A
- Szplka, K.** See Skudlarski, K.
- Sztern, Jacques** See Jouve, Hubert
- Szulinski, Milton J.**
Ventilating system for reprocessing of nuclear fuel rods. 60-05407P
- Tabata, Akira** See Nameishi, Naoyuki; Shibata, Hidetoshi
- Tabbey, M. P.; and Hendrickson, J. R.**
NMR study of lithium borate glasses with low lithia contents. 60-00222A
- Tabuchi, Heizi; and Itoh, Toshiki**
Electrofusion method of producing boron aluminum oxide refractory. 60-00458P
- Tachibana, Atsushi** See Fujita, Hiroyuki
- Tachibana, M.; and Noguchi, S.**
Newly developed fiberscopes using leached fiber image bundles. 60-00227A
- Tada, Kunio; and Kikuchi, Kazuro**
Elasto-optic effect in BaTiO₃. 60-03072A
- Tadros, Maher E.**
Product comprising lime or limestone and Graham's salt or M₂P₂O₇. 60-00950P
- Taetzler, E.** See Biehler, W.
- Taga, Genji** See Mizutani, Yukio
- Taga, Genji; Oikawa, Taro; and Watanabe, Yoshiaki**
Alkali calcium silicates and process for preparation thereof. 60-05488P
- Tageto, Takao** See Nakanishi, Takatori
- Taguchi, Hideki; Takahashi, Yuzuru; and Matsumoto, Chujo**
Optical properties of thin film of zirconium dioxide. 60-01116A
- Taguchi, Hideo** See Wakasa, Isao
- Taguchi, Noriyuki** See Abe, Katsuo
- Tai, K. L.** See Chen, C. H.
- Tairov, Yu. M.** See Raikhef, F.
- Tait, R. H.** See Kasowski, Robert V.
- Tait, R. H.; and Kasowski, Robert V.**
Ultraviolet photoelectron and low-energy electron diffraction studies of TiO₂ (rutile) (001) and (110) surfaces. 60-03242A
- Takaba, Norio**
Intermediate grinding. 60-05092A
- Takada, Yoshio** See Sato, Ken
- Takagi, Kazumasa** See Oi, Tetsu
- Takagi, Kazumasa; Fukazawa, Tokumichi; and Oi, Tetsu**
Crystal for scintillator. 60-05308P
- Takagi, Mieko; Akaba, Noriyuki; and Suzuki, Shigeo**
Domain formation in ferroelectric BaTiO₃ studied by X-ray topography. II. 60-04205A
- Takagi, Mikio; Maeda, Mamoru; and Kamioka, Hajime**
Process for high pressure oxidation of silicon. 60-05340P
- Takagi, Toshinori**
Process for forming a single-crystal film. 60-00596P
- Takagi, Toshinori; Matsubara, Kakuei; and Takaoka, Hiroshi**
New developments in ionized-cluster beam [ICB] and reactive ionized-cluster beam [R-ICB] deposition techniques. 60-01549A
- Takagi, Yoshiaki** See Nakamura, Tetsuro
- Takahara, Shun; and Hashimoto, Toshiaki**
Use of a portable hopper in mixing lime. 60-05131A
- Takahashi, Hiromitsu** See Kurihara, Junsaku
- Takahashi, Katsuki** See Miura, Yoshinari
- Takahashi, Katsuki; and Miura, Yoshinari**
Electrochemical studies on diffusion and redox behavior of various metal ions in some molten glasses. 60-00149A
- Takahashi, Katsuki; Yoshio, Tetsuo; and Oda, Kikichi**
Crystallization of amorphous BaO-Fe₂O₃ prepared without melting. 60-01868A
- Takahashi, Kiyotaka** See Ando, Yoshinori
- Takahashi, Sadayuki**
Internal bias field effects in lead zirconate titanate ceramics doped with multiple impurities. 60-02659A; Sintering Pb(Zr,Ti)O₃ ceramics at low temperature. 60-01560A
- Takahashi, Satoshi** See Setoyama, Katsumi
- Takahashi, Shiro** See Shibata, Shuichi
- Takahashi, Shiro; and Ichinose, Masataka**
New vertical drawing process for sheet glass. 60-02318A
- Takahashi, Shiro; and Tsuchimoto, Yoshihiro**
Apparatus for feeding glass batch materials into a glassmelting furnace. 60-00302P
- Takahashi, Tadashi; Kajikawa, Shuji; and Kitani, Fukuichi**
Wearing mechanism of casting materials for blast furnace runners. 60-05140A
- Takahashi, Tadashi; and Kikuchi, Takeo**
Porosity dependence on thermal diffusivity [α] and thermal conductivity [k] of lithium oxide Li₂O from 200 to 900°C. 60-05677A
- Takahashi, Takashi** See Okuma, Hideo
- Takahashi, Tatsuo; and Yamada, Osamu**
Luminescence of certain terbium metaphosphate glasses under X-ray excitation. 60-03595A; X-ray luminescent glasses. 60-03820P
- Takahashi, Tokiji**
Alumina abrasive grains and method for manufacturing them. 60-02043P
- Takahashi, Tsugukazu** See Oki, Kazuo
- Takahashi, Yuzuru** See Taguchi, Hideki
- Takai, Kiyoshi** See Sugahara, Yujiro
- Takai, Norihira** See Mori, Masaaki
- Takaki, Yoshito; and Yamaguchi, Hiroshi**
Disordered structure of β-Li₂CoSiO₄. 60-05596A
- Takamizawa, Minoru** See Yokokura, Shuichi
- Takamori, Takeshi** See Takata, Masasuke
- Takano, Katsuyoshi** See Miyashita, Meiji; Satomura, Hiroaki
- Takano, Takeshi** See Sawamura, Kunihide
- Takanori, Okoshi** See Kazuo, H.
- Takaoka, Hiroshi** See Takagi, Toshinori
- Takashi, Tatsuo; and Yamada, Osamu**
Fluorescent properties of alkali and alkaline earth rare earth [RE] metaphosphate glass phosphors. 60-03514A
- Takashige, Masaaki; Nakamura, Terutaro; and Ozawa, Haruo**
Crystallization process from amorphous PbTiO₃. 60-00501A
- Takashige, Masaaki; Nakamura, Terutaro; and Tsuya, Noboru**
Dielectric constant of amorphous PbTiO₃. 60-03060A
- Takashima, Yoshimasa** See Nishida, Tetsuaki
- Takata, Hisao** See Edahiro, Takao; Horiguchi, Masaharu
- Takata, Masasuke** See Accolla, J.; Yamashita, Kimihiro; Yanagida, Hiroaki
- Takata, Masasuke; Tomozawa, Minoru; and Takamori, Takeshi**
Dielectric loss of microstructurally anisotropic borosilicate glass. 60-03472A
- Takata, Masasuke; Tomozawa, Minoru; and Watson, E. B.**
Electrical conductivity of Na₂O-3SiO₂ glasses with high water content. 60-00145A
- Takayama, Satoshi** See Matusita, Kazumasa
- Takebayashi, Keisuke** See Nishizaki, Hiromi
- Takebayashi, Toshiharu** See Ebato, Koichi
- Takeda, Fumio; and Hata, Tomosobu**
Low temperature deposition of oriented c-axis AlN films on glass substrates by reactive magnetron sputtering. 60-04028A
- Takel, H.**
Preferentially oriented precipitation in MnTiO₃ single crystals. 60-04398A
- Takel, H.; Tsunekawa, Shin; and Maeda, M.**
Growth and properties of BaZnGeO₄ crystals. 60-01902A
- Takemoto, K.** See Ogawa, Kichiro
- Takenaga, Mutsuo; Yamamoto, Osamu; and Yamashita, Tadashi**
Thermoluminescent material. 60-02456P
- Takeshita, Kazuhide** See Mine, Katsutoshi
- Taketsuchi, Hiroshi; Ito, Yukio; and Jyomura, Shigeru**
Piezoelectric ceramics. 60-02779P
- Taketsuchi, Hiroshi; and Jyomura, Shigeru**
Tuning fork resonator using modified PbTiO₃ ceramics. 60-05301A
- Taketsuchi, Koji; Zama, Takashi; and Iwai, Shiroo**
Retarder for gypsum plaster and a process for retarding the setting of gypsum plaster by the use thereof. 60-00073P
- Taki, Kazumori; Miyazaki, Yasumitsu; and Akao, Yasuo**
Optical propagation properties in gyromagnetic waveguides using Faraday effects of YIG thin films on GGG substrates. 60-00512A
- Takusagawa, Nobuo**
Infrared absorption spectra and structure of fluorine-containing alkali silicate glasses. 60-01063A
- Talibudeen, O.** See Goulding, K. W. T.
- Tal'yanskaya, N. D.** See Vishnevskii, I. I.
- Tammi, Yasushi** See Shudo, Taro
- Tamaki, Masayoshi** See Matsui, Hisayuki
- Tamas, Istvan**
Metallothermal process for the simultaneous production of magnesium and cement or calcium and cement. 60-00939P
- Tamhankar, S. S.; and Doraiswamy, L. K.**
Analysis of solid-solid reactions—a review. 60-01844A
- Tamura, Hidemasa** See Okamoto, Tsutomu
- Tamura, Hideo; and Ikaki, Seiro**
Process for producing thermoreactive and ettringite. 60-02923P
- Tamura, Hiroshi** See Isomae, S.
- Tamura, Hiroshi; and Katsube, Masayoshi**
Dielectric ceramic compositions based on magnesium, calcium, and rare earth metal titanates. 60-01585P
- Tamura, Shinichi** See Fuziwara, Shigeru
- Tamura, Shiochi** See Abe, Kazunobu
- Tan, S. R.** See May, G. J.
- Tan, S. R.; May, G. J.; and McLaren, J. R.**
Strength controlling flaws in beta-alumina. 60-01789A
- Tanabe, Kaoru; Nomura, Yoshifumi; and Maeda, Mamoru**
Process for producing epitaxial layers. 60-04091P
- Tanabe, T. M.** See Izu, Y. D.
- Tanaka, Chikao** See Yanagisawa, Osamu
- Tanaka, Hideohiko** See Inoue, Zenzaburo
- Tanaka, Hirokichi** See Mitomo, Muro
- Tanaka, Hiroyuki** See Enomoto, Ryo
- Tanaka, Isao; Arikawa, Kazuo; and Joao, Yutaka**
A new record which bettered the 1 kg/T-S furnace refractories was achieved for the first time at the Sakai BOF. 60-05045A
- Tanaka, Junzo** See Tsukioka, Masayuki
- Tanaka, Katsuhiko** See Miwa, Naoto
- Tanaka, Keiichiro** See Ohata, Nobuyoshi
- Tanaka, M.; Saito, R.; and Watanabe, Denjiro**
Symmetry determination of the room-temperature form of LnNbO₄ (Ln = La, Nd) by convergent-beam electron diffraction. 60-05714A
- Tanaka, Masahiro; Fujishita, Hideshi; and Shiozaki, Yoichi**
X-ray diffraction profile analysis for the determination of the crystal structure of BaTiO₃. 60-02864A
- Tanaka, Masami** See Minami, Tsutomu; Tatsumisago, Masahiro
- Tanaka, Minoru; Hashizume, Genzo; and Matsui, Hiroshi**
Novel ettringite whiskers, production, and uses. 60-03010P
- Tanaka, Tatsuo** See Ouchiya, Norio
- Tanaka, Toshikazu**
Equilibrium oxygen pressures of Mn-Zn ferrites. 60-04012A
- Tandon, R. P.** See Button, D. P.
- Tanemura, Selta; Kobayakawa, Mikio; and Niwa, Hiroaki**
Low atomic number nonmetallic coatings: I. Composition and surface morphology of silicon carbide films prepared by magnetron reactive sputtering. 60-05281A
- Tang, Ming-shu; Yuan, Mei-qi; and Han, Su-fen**
Crystalline state of MgO, FeO, and MnO in steel slag and the soundness of steel slag cement. 60-04522A
- Tanji, Hiroaki; and Bradi, R. C.**
Thermal expansion of Sb₂O₃-stabilized Bi₂O₃ polymorphs. 60-00840A
- Tanner, K. B., Jr.** See Ryder, Robert J.
- Tannhauser, D. S.** See Riess, I.
- Tanaka, Matti**
Lightweight aggregates in high-strength concrete structures. 60-02146A
- Taoda, Hiroshi** See Ashina, Tadashi
- Taran, N. N.** See Kudakov, A. I.
- Tarantino, Anna** See Eastes, Walter L.; Wesson, Sheldon P.
- Taranukha, N. M.** See Karaulov, A. G.
- Tarasov, N. I.** See Lupeiko, T. G.
- Tarasov, V. D.** See Chekhovskoi, V. Ya.

- Tarasova, D. V. See Bazhan, O. V.
- Tarbet, James K. See White, Arnold G.
- Tareen, J. A. K. See Viswanathiah, M. N.
- Targa, R.
- Eliminating binding wire and U-setters—a new system for roof tile. 60-02470A; New setting system for roof tiles. 60-02488A; New setting system for roofing tiles without binding wire and without U-setters. 60-01314A
- Tarikov, Yu. P. See Pronkin, A. A.
- Tarrant, I. D. See Gaskell, P. H.
- Tarte, P. See Gabelica-Robert, Melanie
- Tasi, Isosif, and Kovacs, Erno
- Autocleaning enamels for the [self-cleaning] ovens of electric and gas cooking devices. 60-04596A
- Tatarintsev, B. V. See Yakhkind, A. K.
- Tatarintsev, B. V.; Ovcharenko, N. V.; and Yakhkind, A. K.
- Equilibrium and kinetics of ion exchange between an alkali aluminoborosilicate glass and fused alkali nitrates. 60-00156A
- Tate, Isao See Oishi, Shuji
- Tateda, Mitsuhiko; Horiguchi, Tsuneo; and Tokuda, Masamitsu
- Optical loss measurement in graded-index fiber using a dummy fiber. 60-01151A
- Tatemichi, Y. See Kamiya, Kanichi
- Tatsumisago, Masahiro; Minami, Tsutomu; and Tanaka, Masami
- Rapid quenching technique using thermal-image furnace for glass preparation. 60-03653A
- Tatur, R. Ya. See Dyatlova, E. M.
- Taupin, Pierre; Glineur, Michel; and Floren, Jean
- Process of making cellulated glass beads. 60-01290P
- Taylor, Albert J. See Holcombe, Cressie E., Jr.
- Taylor, Barry E.
- Na⁺-conducting glass, glass-ceramic, and crystalline cubic composition. 60-00358P
- Taylor, E. C. See Ryder, Robert J.
- Taylor, H. F. W.
- Mineralogy, microstructure, and mechanical properties of cements. 60-02153A; See also Lachowski, Eric E.
- Taylor, J. R.
- Amber staining of glass. 60-03431A
- Taylor, Kenneth A. See Charlesworth, Frank D. W.; Eser, E.
- Taylor, Lynn J. See Tobias, John W.
- Taylor, Peter; and Owen, Derek G.
- Liquid immiscibility in complex borosilicate glasses. 60-01082A; Liquid immiscibility in the system Na₂O-ZnO-B₂O₃-SiO₂. 60-03589A
- Taylor, R. W. See McKenzie, D. R.
- Taylor, Raymond E.; and Groot, Hans
- Thermophysical properties of POCO graphite. 60-02008A
- Taylor, Richard Hamilton; Robertson, John; and Morris, S. B.
- Diffusion of tin(IV) in silicate glazes and glasses. 60-02264A
- Tchoubart, D. See Visombin, Hubert
- Tear, Brian J. See Chambers, Robert H.
- Teigeler, A.
- Operating experiences with electrostatic powder enameling. 60-04633A
- Teitelbaum, George
- Environmental regulation and its effect on the glass industry. 60-02276A
- Teitler, S. See Liu, Sie T.
- Teitsma, Albert; Sayer, Michael; and Segel, Stanley L.
- Polycrystalline hydronium β/β' -alumina—a ceramic fast proton conductor. 60-01951A
- Telegin, G. P. See Gokhshtein, Ya. P.
- Tellier, C. See Vuillemet, M.
- Temkin, D. E.; and Chernov, A. A.
- Foreign particle capture by a crystal growing from a melt at a variable rate. 60-00793A
- Temkin, D. E.; Chernov, A. A.; and Mel'nikova, A. M.
- Capture of foreign particles by a crystal growing from a melt with impurities. 60-00769A
- Temple, Chester S.
- Emulsion composition and method for use in treating glass fibers. 60-01230P; Sizing composition to yield sized glass fibers with improved uv stability. 60-05000P; Storage stable polyolefin compatible noncrosslinking size for fiber glass strands. 60-03812P
- Temple, Harold E. See Berkman, Samuel
- Tennenhouse, Gerald J. See Mangels, John A.
- Tentulescu, Dumitru
- Drawn flat glass, colored by plating. 60-04710A
- Teoreanu, Ion; and Clocea, Nicolae
- Refractory cements in the pseudosystem BaO-Al₂O₃-CaO-Al₂O₃-BaO-6Al₂O₃-CaO-6Al₂O₃. 60-00043A
- Teoreanu, Ion; Filoti, George; and Hritcu, Cecilia
- Interaction mechanism of 2CaO-Fe₂O₃ and 4CaO-Al₂O₃-Fe₂O₃ with water, at various pressures and temperatures. 60-00032A
- Terada, Akira; Hattori, Seizi; and Ishii, Yoshikazu
- Method of producing magnetic thin film. 60-01612P
- Terada, Hiroyo See Miyayama, Masaru
- Terai, Ryohsei; Hori, Masakatsu; and Yamanaka, Hiroshi
- Thermal conductivity of mixed-alkali glasses. 60-04893A
- Terso, Yoshi See Yamamoto, Niroku
- Terawaki, Susumu See Mizuno, Hideaki
- Terekhov, G. A. See Levitski, I. A.
- Tereshchenko, I. M. See Bobkova, N. M.
- Terksen, Bruce E.; Cybulsky, Michael; and Perron, James S.
- Composite shell molds for the production of superalloy castings. 60-02538P
- Ternovoi, A. I. See Tokar, V. A.
- Terrel, Ronald L.
- Sulfur concrete composition and method of making shaped sulfur concrete articles. 60-03416P
- Testardi, L. R. See Krause, John T.
- Testolin, Mario See Massazza, Franco
- Tewhey, John D.; and Hess, P. C.
- Two-phase region in the CaO-SiO₂ system—experimental data and thermodynamic analysis. 60-04903A
- Teze, Andre See Robert, Francis
- Tezuka, Akinori See Ohya, Kaoru
- Thakore, Nayan C.; and Rockett, Thomas J.
- Calcium aluminosilicate glass corrosion by phosphoric acid. 60-00114A
- Thakur, R. L. See Chaudhuri, A. K.; Das, Saroj Kanti
- Thanyasiri, Thitinant See Schreiber, Henry Dale
- Thater, H.
- Clay storage at brickworks. 60-02465A; Energy conservation by recovering energy from the dryer and kiln. 60-02873A
- Thavenot, F.; and Bouchoacourt, M.
- Boron carbide: I, Physicochemical properties. 60-01733A
- Thiagarajan, S. See Das, Saroj Kanti; Dwivedi, R. N.; Kundu, P.
- Thiede, Dietrich See Maier, Peter
- Thiel, Robert C.
- Silicon carbide furnace side frames. 60-03946P
- Thiel, Ronald A.; and Maurer, Edward H.
- Method for fabricating controlled TCR thin film resistors. 60-00565P
- Thijs, Petrus J. A. See Van Oirschot, T. G. J.
- Thormer, Klaus; Luety, Fritz; and Beyeler, Hans Ulrich
- Dielectric relaxation process perpendicular to the conduction planes in various β -alumina. 60-04301A
- Thomas, Laszlo
- Universal electronic calculator for determining thermal conductivity. 60-04161A
- Thomas, D. See Mukundan, P.
- Thomas, D. W.
- Thermograph system of kiln control. 60-01703A
- Thomas, Dean L. See Reese, Thomas J.
- Thomas, Dean L.; Frank, Robert G.; and Claassen, George R.
- Producing glass sheets having improved break patterns. 60-01291P
- Thomas, E. A. See Boggum, Paul P.
- Thomas, Gareth See Goo, Edward K. W.; Williams, P.
- Thomas, Gareth; and Goringe, Michael J. (Editors)
- Transmission Electron Microscopy of Materials. 60-02039B
- Thomas, George L.
- Incandescent lamp seal means. 60-02402P
- Thomas, H.-P.
- Heat consumption limits of annular shaft kilns in the combustion of lime. 60-02122A
- Thomas, Ian M.
- Method of treating glass-forming molds. 60-03787P
- Thomas, J. R., Jr. See Singh, Jitendra P.
- Thomas, J. R., Jr.; Singh, Jitendra P.; and Hasselman, D. P. H.
- Analysis of thermal stress resistance of partially absorbing ceramic plate subjected to asymmetric radiation: I, Convective cooling at rear surface. 60-03030A
- Thomas, John Meurig See Wen, Shu-lin
- Thomas, Lazarus D. See Herliczek, Siegfried H.
- Thomas, Mathew B.; and Dorcinek, Robert H.
- Fracture strength of dense hydroxylapatite. 60-01751A
- Thomas, R. R. See Raghavan, R.
- Thomas, William O.; and Hill, Robin
- Refractory materials. 60-03945P
- Thompson, Arthur H.; Symon, Charles R.; and Jacobson, Allan J.
- Molybdenum sulfide cathode structure. 60-01613P
- Thompson, David A. See Boyd, David C.
- Thompson, Raymond
- Production of bone china. 60-00497P
- Thompson, Robert A.
- Mechanics of powder pressing: I, Model for powder densification. 60-01763A; Mechanics of powder pressing: II, Finite-element analysis of end-capping in pressed green powders. 60-01764A; Mechanics of powder pressing: III, Model for the green strength of pressed powders. 60-01765A
- Thompson, Thomas K.
- Apparatus for production of mineral fibers. 60-04916P
- Thorn, Robert J.; Winslow, G. H.; and Ziomek, J. S.
- Electronic structure of UO₂—contributions to the excess enthalpy at 3000 K and in the liquid. 60-04109A
- Thornblad, Lars O. See Havranek, Peter H.
- Thornton, Donald C. See Latinen, Herbert A.
- Thorp, J. S. See Sharif, R. I.
- Thorp, J. S.; and Enayati-Rad, N.
- Dielectric behavior of single crystal MgO, Fe/MgO, and Cr/MgO. 60-03059A
- Thorp, J. S.; and Hossain, M. D.
- ESR line broadening of Fe³⁺ in Fe/MgO at low temperatures. 60-01878A; Exchange energies of iron group ions in single crystal MgO. 60-00792A
- Thorp, J. S.; and Kennur, S. V. J.
- Dielectric properties of some oxynitride glasses. 60-03473A
- Thorp, J. S.; Kulesza, B. L. J.; and Enayati-Rad, N.
- High frequency dielectric properties of MgO, Fe/MgO, and Cr/MgO. 60-04344A
- Thorson, L. A.
- Where [process control] systems can be applied. 60-00660A
- Throver, Peter A. See Gray, Walter James
- Thuerlimann, B. See Furler, R.
- Thurston, R. N. See Krause, John T.
- Tichy, O.
- Comparison of radiant and convective heating in ceramic kilns. 60-02869A
- Tick, Paul A. See Bartholomew, Roger F.
- Tick, Paul A.; Seward, Thomas P., III; and Butler, B. L.
- Optically detected transitions in photochromic glass. 60-04818A
- Tiede, Ralph L. See Chrisman, Max G.
- Tiegs, Sue M.
- Sphere-calc process—fabrication of fuel pellets from gel microspheres. 60-00611A
- Tieleens, Arthur J.; Mueller, Wolfgang; and Todtenhaupt, Erich K.
- Apparatus for extracting alumina from bauxite. 60-02915P
- Tien, J. K. See Arons, Richard M.
- Tiersten, H. F. See Sinha, B. K.
- Tijburg, Rudolf P.; and Damen, Cornelius P. T. M.
- Method of manufacturing semiconductor devices using laser beam cutting. 60-00578P
- Tikhomirov, I. M. See Kaushanskii, V. E.
- Tikhomirova, N. E. See Chernyakova, T. G.
- Tikhonova, Z. I. See Molchanov, V. S.
- Tiku, S. K. See El-Aiat, M. M.
- Tiku, S. K.; Lau, C. K.; and Lakin, K. M.
- Chemical vapor deposition of ZnO epitaxial films on sapphire. 60-02613A
- Tilton, John E.
- Understanding material substitution. 60-01192A
- Timashev, V. V. See Akimov, V. G.; Anglova, T. G.; Baimarov, F. A.; Butt, Yu. M.; Sofinskii, P. I.; Stolyarova, V. A.
- Timashev, V. V.; Bol'shov, V. V.; and Drzvonkovskii, R. M.
- Raw material mix for producing portland cement clinker. 60-04593P
- Timashev, V. V.; Bol'shov, V. V.; and Sofinskii, P. I.
- Volatility of Ca chlorides and fluorides during the production of cement clinker. 60-04580A
- Timashev, V. V.; Gal'perina, T. Ya.; and Bykova, S. N.
- Effect of phosphorus on the phase composition and properties of cements obtained from alkali-rich raw materials. 60-04526A
- Timashev, V. V.; Kolbasov, V. M.; and Dobronravova, L. A.
- Controlled hardening of portland cement. 60-04516A
- Timashev, V. V.; Osokin, A. P.; and Kom'shin, A. N.
- Effect of the addition of Na₂SO₄ and NaHSO₄ on mineral formation and properties of cement clinkers. 60-00026A
- Timashev, V. V.; Osokin, A. P.; and Larionov, V. K.
- Modification of the properties of monoclinic ferrite with CaSO₄. 60-04551A
- Timashev, V. V.; Suleimenov, A. T.; and Sichkareva, A. Yu.
- Use of barium-containing additives to improve the quality of cements based on highly alkaline raw materials. 60-04575A
- Timashev, V. V.; Sycheva, L. I.; and Bazhenova, T. A.
- Production and properties of composite materials reinforced with glass fiber. 60-05516A
- Timellini, G. See Palmontari, C.
- Timmers, H. J.
- Operating expenses of the tunnel and the chamber dryer. 60-02880A; Running costs of tunnel and chamber drying. 60-01320A
- Timofeev, V. N. See Krasulin, Yu. L.
- Timofeeva, V. A. See Belyaev, L. M.; Bykov, A. B.
- Timofeeva, V. A.; and Bykov, A. B.
- Growth of bulk yttrium iron garnet crystals from high temperature solutions. 60-04017A
- Timofeeva, V. A.; Bykov, A. B.; and Rozin, K. M.
- Kinetic characteristics of Y₃Al₅O₁₂ single crystal growth from solution-melts on oriented seed crystals. 60-01917A
- Timoshchukina, M. I. See Dmitruk, M. V.
- Timossi, P.; Assandri, P.; and Maestrelli, G.
- Production of steel plates for enameling. 60-03421A
- Tinis, Viorica See Ciontea, Nicolae
- Tinis, Viorica; and Borda, Monica
- Methylene blue adsorption on bentonites. 60-05654A
- Tinsley, John M.; and Watters, Larry T.
- Lightweight cement and method of cementing therewith. 60-00938P
- Titchmarsh, James G.
- Double crucible method of optical fiber manufacture. 60-00313P
- Tittmann, Bernhard R.; and Ahlberg, Lloyd A.
- Method for measuring the depth of surface flaws. 60-05454P
- Tkachenko, E. V.; Shapovalov, A. G.; and Pashnikov, I. P.
- Synthesis and sintering of Y ferrogarnet. 60-04044A
- Tkachenko, Yu. G.; Epik, A. P.; and Carda, A. P.
- Wear resistance of detonation-deposited chromium-carbide-base coatings at temperatures of 20–1000 °C. 60-01797A
- Tkacheva, I. I. See Podobeda, L. G.
- 't Lam, R. U. E.; and Blasse, G.
- Luminescence of barium molybdate (BaMoO₄). 60-01921A; Luminescence of uranium-activated tungstates and molybdates with scheelite structure. 60-01922A
- Taskal, Jaroslav See Subrt, Jan
- Tobias, John W.; and Taylor, Lynn J.
- Three-component polymeric coating for glass substrate. 60-03817P
- Tobin, A. See Zatz, T. J.
- Toda, Gyoze See Jyomura, Shigeru
- Toda, Masumi
- Method of evaluating coating material for a tundish ladle. 60-05095A
- Toda, Takafumi See Miyashita, Meiji

- Todtenhaupt, Erich K.** See Tielens, Arther J.
Togari, Osamu See Wakabayashi, Motoyoshi
Toguzov, N. Z.; Kopylov, N. I.; and Sychev, A. P.
 System $\text{Cu}_2\text{S}-\text{PbS}-\text{FeS}-\text{ZnS}$. 60-03217A
Tobgel, Ryoika See Sasaki, Nobuo
Toibana, Yasuo See Ebata, Yoshihiro
Tokar, V. A.; Zubik, M. I.; and Baklanov, G. M.
 Process for the preparation of portland cement clinker. 60-0069P
Tokar, V. A.; Zubik, M. I.; and Ternovoi, A. I.
 Raw mix for producing portland cement clinker. 60-00071P
Tokunami, Masayasu See Yamana, Kazuo
Tokonami, Masayasu; and Horuchi, Hiroyuki
 Space group of spinel, MgAl_2O_4 . 60-05702A
Tokuda, Hiroyasu See Watanabe, Akira
Tokuda, Kenji See Kiyonaga, Kingo
Tokuda, Masamitsu See Tateda, Mitsuhiro
Tokuyama, Koji See Kojima, Masachi
Toland, Donald A.
 Properties and enameling characteristics of sheet steels for porcelain enameling. 60-04641A
Toledano, P. See Touboul, Marcel
Tolley, William K.
 Purification of rutile. 60-00696P
Tolochkova, M. G.; Zapol'skii, S. V.; and Ivannikova, R. K.
 Phosphogypsum as an effective regulator of the setting time of cements. 60-04553A
Tolstaya, V. Ya. See Alekseenko, L. S.
Tolstaya, V. Ya.; Starshinov, B. N.; and Pitak, N. V.
 Durability of blast furnace stack lining and ways of increasing it. 60-01345A
Tomandl, Gerhard; and Stieglerschmitt, Alfons
 Adhesion mechanism between metal layer and crystalline ceramics for metallization of electronic ceramics, particularly with regard to the electrical properties. 60-05258A
Tomanek, Bretislav
 History of spectacles [eyeglasses] and the manufacture of raw spectacle glass in the Nový Bor region [Northern Bohemia]. 60-04768A
Tomaru, Satoru; Kawachi, Masao; and Edaishi, Takao
 Fabrication of single-mode fibers by VAD [vapor phase axial deposition]. 60-02278A; Structural properties of GeO_2 particles used for optical fiber fabrication. 60-03683A
Tomasetta, Louis R. See Law, Hsiang-Yi David
Tomashik, V. N. See Grytsiv, V. I.
Tomashik, V. N.; Tomashik, Z. F.; and Grytsiv, V. I.
 Thermodynamics of chemical reactions between germanium chalcogenides and AlH_3 -type compounds. 60-00845A
Tomashik, Z. F. See Grytsiv, V. I.; Tomashik, V. N.
Tomlika, Kentaro; and Futami, Shunichi
 Dental compositions. 60-01806P
Tommasini, Giuseppe See Giachello, Angelo
Tomonaga, Atsushi; and Aoki, Hideki
 Composite implant materials [apatite] and process for preparing. 60-00741P
Tomozawa, Minoru See Accocella, J.; Clemens, Kevin; Kawamoto, Yoji; Kelly, J. E., III; Kerwacz, J. P.; Marks, Joanne H.; Oka, Yoshio; Takata, Masasuke
Tomozawa, Minoru; Cordaro, J. F.; and Singh, M.
 Applicability of weak electrolyte theory to glasses. 60-00978A
Tomozawa, Minoru; Oka, Yoshio; and Wahl, Joseph M.
 Glass surface cracks caused by alkaline solution containing an alkaline-earth element. 60-02293A
Tompkins, J.
 Pneumatic or electronic instrumentation. 60-01677A
Tonina, Antoni P.; and Pask, Joseph A.
 Kinetics of iron-sodium disilicate reactions and wetting. 60-04788A
Tong, S. S. C. See Vitina, I.
Tong, Xue-li See Xue, Jun-gan
Tongjorgi, Liana
 Pisa depicted in the history of ceramics: III. [continued] 60-02062A; 60-02063A; See also Berti, Graziella
Tongson, Luis L.; Bhalla, A. S.; and Cross, Leslie E.
 Investigation of BaTiO_3 and $\text{Gd}(\text{MoO}_4)_3$ crystal surfaces by complementary AES and ISS techniques. 60-05639A
Toninato, T.; and Scardin, G.
 Density determination for glasses tempered by different methods. 60-01009A
Tonkovic, V.
 Waste waters from an enamel shop—example of treatment procedures. 60-03423A
Topich, James A. See Fuoss, Dennis
Topil'skii, G. V.; Krikanov, O. I.; and Dmitriev, A. I.
 Deposition of impregnated sodium water glass in defects of concretes. 60-02096A
Topor, N. D. See Kiseleva, I. A.
Toporishchev, G. A. See Buler, P. I.
Torantani, Hisayoshi
 Edge-cladding glass of disk laser glass. 60-00314P
Torikai, Toshitaka; and Endo, Kenji
 Interfacial layer formation in the sputter-deposited SiO_2/GaAs system. 60-05279A
Torma, Arpad E.
 Processes for the recovery of alumina from fly ash and production of cement constituents. 60-00949P
Tornati, M. See Borin, A.
Toropov, Yu. S.; Matveichuk, G. S.; and Pakina, T. T.
 Charge for producing vacuum-dense ceramics. 60-01431P
Torre, J. P.
 Use of silicon carbides and nitrides in motors and turbines for land vehicles. 60-01795A; See also Lamson, J.
Torriano, G. See Longo, Vittorio
Touborg, Jörn
 Cement kiln plants [dust recovery]. 60-00055P
Touboul, Marcel; and Toledano, P.
 Structure of indium vanadate, InVO_4 . 60-05707A
Tovey, N. K.; and Wong, K. Y.
 Microfabric of deformed kaolin. 60-01766A
Tovmasyan, V. M.; Pavlushkin, N. M.; and Artamonova, M. V.
 Modification of the spectral-luminescent properties of glasses in the system $\text{Na}_2\text{O}-\text{Bi}_2\text{O}_3-\text{P}_2\text{O}_5$. 60-00219A
Townsend, P. D. See Agullo-Lopez, F.; Chandler, P. J.
Townsend, S. E.; and Grassie, A. D. C.
 Tunneling in $\text{Al-Al}_2\text{O}_3-\text{SnTe}$ structures. 60-01573A
Toyo, K. See Watanabe, M.
Tracy, Chester E.; and Kern, Werner
 Bulk glass having improved properties. 60-04920P
Tracz, M.; and Dawkins, D. B.
 Nepheline syenite—a dependable and desirable raw material for glass manufacture. 60-00223A
Trahan, Albert J.; Beckwith, Bruce R.; and Murray, David H.
 Plunger mechanism for glassware forming machine. 60-04985P
Tran Danh Cong See Simmons, Joseph H.
Trantina, Gerald G.
 Strength of beta-alumina tubes. 60-03203A; Stress analysis of the seal in a sodium-sulfur battery cell. 60-02711A; See also Bakker, Wate T.; Mehan, R. L.
Trantina, Gerald G.; and Grondahl, C.
 Demonstration of ceramic design methodology for a ceramic combustor liner. 60-02512A
Travazhyan, M. G. See Raikheil, F.
Trawinski, Helmut; and Eisenlohr, Volker
 Beneficiation of kaolin: I. 60-05471A; Beneficiation of kaolin: II. 60-05472A
Treat, Russell L. See Nesbitt, John F.
Trendafelov, D. See Zapryanova, A.
Tresouthick, Stewart W. See Jarrett, Robert P.
Tressler, Richard E. See Costello, J. A.; Easler, T. E.; Kula, T. M.; Meiser, Michael D.; Monkowski, Joseph R.
Tret'yak, Z. A. See Korobka, L. A.
Tret'yakov, Yu. D. See Anastasyuk, N. V.
Trevathan, Ellis F.
 Machine for comminuting clay stock. 60-00625P
Trief, Leon
 New Trief cement process—what has become of Trief cement and [the] portland industry since 1976? 60-03371A
Trier, Wolfgang; and Kircher, Ulrich
 Effect of raw materials, type of glass, and working processes on the emissions from glassmelting furnaces. 60-00141A
Trinklein, Robert L.
 Ceramic cements—their properties and their applications for industry. 60-00907A
Tripathi, V. K. See Salimullah, M.
Triyal, B. K. See Stone, F. T.
Trofimenko, A. V.; Sizonenko, A. P.; and Burkov, V. P.
 Study of certain features of the surface crystallization of glasses and melts of the composition $\text{Na}_2\text{O}-2\text{SiO}_2$ based on a change in their IR spectra. 60-02341A
Troitskii, V. M.; Sviridova, A. I.; and Solov'eva, E. V.
 Surface disintegration of borolanthanate glasses. 60-03694A
Trojer, Felix See Pyuane, Ramon
Trojer, Felix; and Briggs, John
 Method for manufacturing a panel of anisotropic ceramic glass. 60-01262P; 60-04960P
Trudov, A. F. See Rogozin, V. D.
Trudu, I. See Ghiani, M.
Trukhin, A. N. See Silin, A. R.
Trukhin, A. N.; Boganov, A. G.; and Godman, I. T.
 Fundamental absorption of quartz glass and crystalline quartz in the shortwave UV spectral region. 60-04748A
Trukhin, A. N.; Sav'el'ev, V. L.; and Glebov, L. B.
 Excitation of intrinsic luminescence in pure Na silicate glasses. 60-00159A
Trunin, A. S.; and Garkushin, I. K.
 System $\text{Na}_2\text{K}_2\text{CaCl}_2\text{MoO}_4$. 60-00837A
Trunov, G. V. See Goncharov, A. N.
Trzaskos, Casmir R. See Oliver, David W.
Trzebiatowski, K. See Gzowski, O.
Tsai, Ming-Jong; Fahrbruch, Alan L.; and Bube, Richard H.
 Sputtered oxide/indium phosphide junctions and indium phosphide surfaces. 60-02710A
Tsai, Stephen W.; and Hahn, H. Thomas (Editors)
 Introduction to Composite Materials. 60-04478B
Tsakhilov, B. D. See Kovshar, V. N.
Tsanava, Ts. P. See Shushanashvili, A. I.
Tsang, Floris Y. See Anand, Joginder N.
Tsang, J. C. See Harstein, A.
Tsang, Won-Tien; and Logan, Ralph A.
 $\text{GaAs-AlGa}_{1-x}\text{As}$ strip-buried heterostructure lasers. 60-04015A
Tsay, Quey T.
 Energy efficient pollution abating glass manufacturing process with external recovery of heat from furnace flue gases. 60-00318P
Tsekhomskii, V. A. See Ekimov, A. I.
Tsekhomskii, V. A.; and Tunimanova, I. V.
 Photochromic glass. 60-01287P
Tseng, Ampere A.
 Three-dimensional finite element analysis of the three-point bend specimen. 60-02009A
Tseng, Katherine R. See Mino, Yutaka
Tshibin, I. P.
 Resistance of refractory bodies to CO . 60-01399A
Tshibov, G. V. See Rotinyan, A. L.
Tshikhotskii, E. S. See Barabanova, L. A.
Tskhal, V. A. See Kirsanov, V. V.
Tsonev, Ts. See Panova, S.
Tsong, I. S. T. See Costello, J. A.; Houser, C. A.
Tsong, I. S. T.; Houser, C. A.; and White, William B.
 Glass leaching studies by sputter-induced photon spectroscopy (SIPS). 60-00171A
Tsubaki, Shigeru See Sonoda, Nobuo
Tsuchida, Takeshi; Furuschi, Ryusaburo; and Ishii, Taduo
 Kinetics of the dehydration of boehmites prepared under different hydrothermal conditions. 60-04363A
Tsuchimoto, Yoshihiro See Takahashi, Shiro
Tsuchiya, Toshio; and Moriya, Taro
 Anomalous behavior of physical and electrical properties in borophosphate glasses containing R_2O and V_2O_5 [$\text{R}=\text{Li}, \text{Na}$]. 60-00103A
Tsuda, Akikazu; Kikuchi, Motokazu; and Shimazaki, Tadatsuki
 Method for effectively utilizing waste tires [kilo fuel]. 60-03403P
Tsuge, Akihiko See Inoue, Hiroshi
Tsujino, Takeshi See Sugikawa, Susumu
Tsukioka, Masayuki See Okai, Bin
Tsukloka, Masayuki; Tanaka, Junzo; and Miyazawa, Yasuo
 Electrical conduction mechanism in semiconducting KTaO_3 . 60-04209A
Tsukuda, Yasuo
 Properties of black Y_2O_3 sintered bodies. 60-04401A; Refractive and reflective indices of Y_2O_3 sintered bodies. 60-04413A
Tsukuda, Yasuo; Imoto, Katsuyuki; and Sasa, Kenzo
 Method for producing optical fiber preform. 60-03774P
Tsukuma, Koji; Shimada, Masahiko; and Kotzumi, Mitsue
 Thermal conductivity and microhardness of Si_3N_4 with and without additives. 60-05522A
Tsunawaki, Yoshiaki See Iwamoto, Nobuya
Tsunekawa, Shin See Takei, H.
Tsuo, Y. H. See Su, P.
Tsura, Michitaka See Izumitani, Tetsuro
Tsuruga, K. See Oishi, Yasumichi
Tsutsumi, M. See Shiota, M.
Tsuya, Hideki See Shimura, Fumio
Tsuya, Noboru See Takashige, Masaaki
Tsuya, Noboru; and Armi, Kenichi
 Method for manufacturing thin and flexible ribbon of dielectric material having high dielectric constant. 60-02418P
Tsuyama, H. See Isomae, S.
Tsygankov, V. N.; and Petrov, K. I.
 Phase transformations in the solid solution of CuO in MgO . 60-00817A
Tsuyka, V. V. See Peresh, E. Yu.
Tu, Hosheng
 Catalytic composite, method of manufacture. 60-02985P
Tu, Hosheng; and Rojo, Juan E.
 Technique to reduce the zeolite molecular sieve solubility in an aqueous system. 60-03020P
Tubb, A.; Parker, A. J.; and Nickless, G.
 Analysis of Romano-British pottery by atomic absorption spectrophotometry. 60-02054A
Tuchiya, Keiichi See Fujii, Taichi
Tucker, J. F. E.
 Firing of bricks from clay containing combustible components in tunnel kilns. 60-02475A
Tuerk, Gaenter See Achenbach, Karl
Tugova, N. P. See Slobodina, B. V.
Tuller, H. L. See Button, D. P.; Sempolinski, D. R.
Tuller, H. L.; Button, D. P.; and Uhlmann, Donald R.
 Fast ion transport in oxide glasses. 60-01042A
Tully, I.
 Glass receiving store simulation model. 60-03538A
Tumakov, V. A. See Kalabukhova, S. V.
Tummalam, Rao R. See Herron, Lester Wynn; Narken, Berni; Powell, Jimmie L.
Tunimanova, I. V. See Tsekhomskii, V. A.
Turaev, E. Yu. See Seregin, P. P.
Turban, Gay See Catherine, Yves
Turcanu, C. N. See Deju, Radu
Turchinova, L. N. See Yutina, A. S.
Turezhak, J. See Porada, Z.
Turik, A. V.; and Shevchenko, N. B.
 Dielectric constant of mechanically compressed BaTiO_3 crystals. 60-01875A
Turnbull, Andrew A. See Stupp, Edward H.
Turnbull, D. See Chaudhari, P.; Fratello, V. J.
Turner, Bradley D. See Riley, Richard E.
Turner, E. H. See Kaminov, Ivan P.
Turpin, Raymond C., Jr.
 Pozzolan cement compositions. 60-03410P
Tutti, J. N. See Haselme, Barry A.
Tutto, P. See Horvath, Z. J.
Turyak, V. E. See Shpynova, L. G.
Tver'yanovich, A. S. See Mikhailov, M. D.
Tyagi, B. S. See Bhaduri, S. K.
Typek, J.
 Electron paramagnetic resonance of gadolinium in a single crystal of lead germanate. 60-01747A

- Tyson, R. Michael; and Chang, Luke L. Y.**
Systems $\text{ZnO-Fe}_2\text{O}_3\text{-SnO}_2$ and $\text{MgO-Fe}_2\text{O}_3\text{-SnO}_2$ at 1060°C.
60-01994A
- Tyurin, A. I.** See Gusev, S. A.
- Tyurin, N. A.; Lysov, G. V.; and Koriev, A. S.**
Method and apparatus for drying granulated dielectric materials. 60-00559P
- Tyurin, V. M.** See Tyurina, E. F.
- Tyurina, E. F.; Krasnova, L. V.; and Tyurin, V. M.**
Adsorption of binary mixtures of polar and nonpolar substances on Glukhovetska kaolinite. 60-04272A
- Tyutkalo, L. I.**
Microstructure of transparent corundum ceramics. 60-05655A
- Uchida, K.** See Shiota, M.
- Uchida, Naoya; Seikai, Shigeyuki; and Yoshimura, Kojo**
Glass fibers for optical transmission. 60-04942P
- Uchikawa, Hiroshi** See Ogawa, Kiichiro
- Uchikawa, Hiroshi; and Kato, Hajime**
Self-hardening mold sand. 60-00076P
- Uchimura, Ryoji** See Kumagai, Masato
- Uchino, Kenji** See Jang, S. J.; Kuwata, Jun
- Uchino, Kenji; Cross, Leslie E.; and Nomura, Shoichiro**
Inverse hysteresis of field-induced elastic deformation in the solid solution $90 \text{ mol}\% \text{ Pb}(\text{Mg}_{1-x}\text{Nb}_x)_2\text{O}_{10} \text{ mol}\% \text{ PbTiO}_3$. 60-01913A
- Udalov, Yu. P.** See Ganits, F.
- Ude, G.; and Bichbauer, E.**
Refractories for electric arc furnaces with sponge iron charge. 60-03906A
- Udovenko, V. G.; Kostin, A. S.; and Kleenkin, V. V.**
Refractory lining life in large basic oxygen furnaces converting high phosphorus pig irons. 60-03908A
- Udvardi, M.; and Lenkel, M.**
Development of an expanding layer mineral in fine ceramic clays by thermal and chemical treatment. 60-03057A
- Ueda, Hiroo** See Yoshimura, Tetsuzo
- Ueda, Ichiro** See Nishida, Masamitsu
- Ueda, Kozo** See Kihara, Hideo
- Ueda, Osamu; Yamakoshi, Shigenobu; and Yamaoka, Toyoshi**
Transmission electron microscope observation of mechanically damaged InGaAsP/InP double-heterostructure light-emitting diode. 60-00524A
- Ueda, Yutaka** See Nishihara, Hironori
- Ueki, Akikatsu** See Kose, Katsumi
- Uemura, N.** See Hattori, M.
- Uemura, Yoichiro** See Mitomo, Mamoru
- Uenal, N.; and Kroenert, W.**
Investigation of oriented thermal transition of talc and kaolin by means of an X-ray diffraction goniometer. 60-05640A; Investigation of oriented thermal transition of talc and kaolin by means of an X-ray diffraction goniometer. [continued] 60-05641A
- Ueno, Hideaki** See Noda, Fumiyoshi
- Ueno, Seichi** See Momma, Hideki
- Ueno, T.** See Seki, Y.
- Ueoka, Hisayoshi** See Izawa, Osamu
- Uetsuki, Tsuneo** See Ebata, Yoshihiro
- Ugal, Ya. A.** See Fertsch, P.
- Ugal, Ya. A.; Goncharov, E. G.; and Sokolov, L. I.**
Treatment of quartz glass ampoules. 60-02458P
- Ugalin, Mitsuhiko; and Shiba, K.**
Chemical state of burn-up-simulated $(\text{Th,U})\text{O}_2$ at high oxygen potential. 60-05356A
- Uggeri, Stella Pattucci**
Protomajolica ware of Brindisi. Group I. 60-03327A
- Ugrumova, M. A.; Garbuz, N. G.; and Spirenkova, V. I.**
Piezoelectric ceramic material. 60-01617P
- Ugrumova, M. A.; Golyamina, I. P.; and Sergeeva, M. V.**
Piezoelectric ceramic material. 60-05335P
- Uhlmann, Donald R.**
Internal nucleation of melting. 60-01067A; Nucleation, crystallization, and glass formation. 60-01111A; Polymer glasses and oxide glasses. 60-01128A; See also Tuller, H. L.
- Uhlmann, J.**
Air-swept mills with different design features of the grinding compartment. 60-02070A
- Ullner, Christian** See Haehnert, Manfred
- Ulrich, Bernd** See Conrad, Gerhard
- Ulrich, Ralph P.; and Hewitt, Deborah W.**
Phosphorus removal from surface regions of phosphosilicate glass microcircuit layers. 60-04086P
- Umarov, B. S.** See Khuseinov, B.
- Umeki, Shinji** See Hamabata, Toshihiro
- Umesaki, Norimasa** See Iwamoto, Nobuya
- Umeya, Kaoru** See Yamamoto, Kosei
- Umeya, Kazumasa** See Shioi, Ryoichi
- Umez, Nobuo** See Komiya, Soji
- Underhill, Douglas E.** See Radford, Charles
- Unger, Klaus-Dieter; and Mielcke, Eckehard**
Lining of AOD converters at Thyssen Edelstahlwerke in Krefeld. 60-00425A
- Ungerer, Heinz-Jürgen** See Sommer, Rolf
- Ungur, D.** See Burzo, Emil
- Upadhyaya, D. D.** See Kulkarni, A. K.
- Ura, Mitsuru** See Fuyama, Moriaki
- Uragaki, Tamotsu; Inoue, Morio; and Koike, Susumu**
Method for growing semiconductor epitaxial layers. 60-04071P
- Uras, I.** See Meloni, M.
- Urban, Georges; Millon, Francis; and Cariset, Sylvain**
Viscosities of some silica rich liquids in the system $\text{SiO}_2\text{-B}_2\text{O}_3$. 60-04463A
- Urbanek, Peter**
Laser decoration of glass. 60-00199A
- Urbanaka, M.** See Lopozko, Miroslaw
- Urnes, S.** See Hanssen, K. O.
- Ursic, Jozse** See Kocuvan, Ivan
- Ursu, I.** See Burzo, Emil
- Urusovskaya, A. A.** See Smirnov, A. E.
- Urusovskaya, L. N.** See Galant, V. E.
- Urusovskaya, L. N.; Shchevlev, O. S.; and Makarenko, N. A.**
Effect of fluorine on the thermo-optical characteristics of Ba phosphate glasses. 60-03487A
- Urusovskaya, L. N.; Zvenigorodskaya, A. N.; and Makarenko, N. A.**
Optical and thermo-optical properties of Cl- and Br-containing fluorophosphate glasses. 60-04817A
- Usami, Tamotsu** See Otsuka, Kanji
- Usatkov, I. F.; and Koshina, N. M.**
Effect of peptizing agents on the electrokinetic potential of clay and grog-clay suspensions. 60-05201A
- Usatkov, I. F.; Kravchenko, V. P.; and Verba, L. I.**
Dewatering of quartzite suspensions and subsequent drying of quartzite materials. 60-01343A
- Usatkov, I. F.; Mikhailova, K. A.; and Antonov, S. A.**
Production of corundum refractories and their performance in slide-valve gates of steel-pouring ladles. 60-00434A
- Ushakov, D. F.; Grachev, V. V.; and Gulyannikova, S. E.**
Enamel [with increased water resistance]. 60-04655P
- Ushakov, D. F.; Hellmold, Peter; and Mishel, V. E.**
Effect of molten salts on enamels. 60-00955A
- Ushakov, D. F.; Kuznetsov, A. I.; and Efimova, L. K.**
Enamel [with decreased firing temperatures and thermal expansion coefficients of $(160-190) \times 10^{-6}/\text{degree}$]. 60-04652P
- Usov, P. G.** See Vereshchagin, V. I.
- Us'tyanov, V. B.; Lobanov, B. V.; and Kuz'movich, V. V.**
Preliminary appraisal of the properties of ceramic materials. 60-04187A
- Us'tyantsev, V. M.**
Comparative appraisal of the metal-resistance of refractories. 60-01337A; Reaction of refractory walls with liquid steel. 60-02525A
- Usui, Fumio**
Process for producing a multilayered glass fiber sheet. 60-03803P
- Usui, Yuichi** See Kakuzen, Hideo
- Utesheva, S. G.** See Babin, P. N.
- Utesheva, V.; Vagina, T.; and Ermolaeva, L.**
Formulas relating temperature with the thermodynamic properties of some crystalline oxides. 60-04332A
- Utkina, L. V.** See Blinov, V. A.
- Utsler, Robert E.; and Rosa, C. Philip**
Improving glassmelting efficiency by furnace design and operating practices. 60-00184A
- Utsumi, Atsushi** See Shintani, Takeshi
- Utsumi, Kazuki** See Yonezawa, Masatomo
- Uyeda, Ryozi** See Ando, Yoshinori
- Uzberg, L. V.** See Ignatova, T. S.; Perepelitsyn, V. A.
- Vacha, L.; Granberg, M.; and Marcolla, P.**
Manufacture of optical fibers by the double-crucible method. 60-02020A
- Vadum, C.** See Osterstock, F.
- Vagina, T.** See Utesheva, V.
- Vaidya, S. N.; Joshi, D. K.; and Gill, M. S.**
High-pressure resistivities of NbO , NbO_2 , and NbCl_3 . 60-01535A
- Vainshlok, V. A.**
Method of calculation of the stress intensity factors for a curvilinear crack of variable length. 60-00640A
- Vakapchuk, N. P.** See Dzhuk, K. V.
- Vakhrameev, V. I.** See Frolov, S. T.; Khalilev, V. D.
- Valentine, T. M.** See Nicholas, M. G.
- Valera Palacios, A.** See Vega Lino, J.
- Valette, S.** See Motter, P.
- Valiev, K. Sh.; Kosinskaya, A. V.; and Malyavin, A. G.**
Stone casting. 60-05183P
- Valle, F. J.** See Barba, M. F.
- Valore, R. C.; Kudrenski, W.; and Gray, D. E.**
Application of high-range water-reducing admixtures in steam-cured cement-fly ash concretes. 60-04512A
- Valova, I. V.** See Belyustin, A. A.
- Valtere, A.; and Lunter, S. G.**
Phase transformations in glassy EuP_2O_7 . 60-00241A
- Vamos, Gyorgy** See Kapolyi, Laszlo
- Van Ass, H. M. J. M.**
Method of producing optical fibers for telecommunications. 60-01276P
- Van Bronswijk, W.** See Dunn, J. G.
- Van Cangh, L.; and Gilard, P.**
Effect of the glass phase on the diffusion of liquids and gases. 60-03490A
- Van Damme, F. M. M.**
Cells with ultrathin windows for radiation applications. 60-03441A
- Van Haeflen, A. W.**
Texture of refractory materials. 60-00448A
- Van Konijnburg, J. T.; and Pot, F. M.**
Measurement and control of the wear of steel converter linings. 60-00426A
- Van Loon, Jon C.**
Atomic fluorescence spectrometry—present status and future prospects. 60-05422A; Direct trace elemental analysis of solids by atomic (absorption, fluorescence, and emission) spectrometry. 60-02836A
- Van Mierlo, Jo K.**
Comparison of diverse processes for the fabrication of tableware. 60-05195A
- Van Nie, Aart G.**
Method for the determination of the stress in, and Young's modulus of, silicon nitride passivation layers. 60-00639A
- Van Oirschot, T. G. J.; Leswin, Willem J.; and Thijs, Petrus J. A.**
Method for the epitaxial deposition of several layers. 60-00570P
- Van Roosbroeck, Willy W.** See Sinclair, William R.
- Van Ultert, L. G.**
Melting-point relations for simple halides and oxides. 60-05652A; See also Bonner, William A.
- Van de Leemput, L. J. M. A.** See Scholten, Joseph J. F.
- Van de Look, G.**
Special reinforcement of masonry. 60-02497A
- Van de Vaart, H.** See Adhavi, S. R.
- Van de Ven, A. J. C.** See Klomp, Jan T.
- Van der Kruijs, F. N. G. R.** See Boonstra, Alexander H.
- Van der Plas, Th.**
Radioactive waste glasses—a new ceramic product. 60-00610A
- Van der Rhee, A. K.**
Ecological aspects of the ceramic industry. 60-04469A
- Van der Straten, P. J. M.; and Metselaar, R.**
LPE growth of Mn-, Ni-, and Al-substituted copper ferrite films. 60-02661A
- Van der Veen, J. F.** See Weaver, John H.
- Van der Velden, J. H.**
Analysis of the Pfefferkorn test. 60-05421A; 60-02828A; Drying practices in the ceramic industry. 60-00622A; Model investigation on kilns. 60-00652A; Towards better tunnel kilns. 60-00658A
- Van der Vliet, W. E.**
Glaze corrosion. 60-02228A; 60-00085A; Influence of enamel solubility on new methods such as electrophoresis. 60-04624A; Practical use of rheology in the enameling industry. 60-00091A
- Van der Vliet, E.** See De Jonge, L. S.
- Vanadamme, L. K. J.; and Brugman, J. C.**
Conduction mechanisms in ZnO varistors. 60-05267A
- Vance, E. R.**
Mineral-modeled ceramics for long-term storage of high-level nuclear wastes. 60-05377A; See also Roy, Rustum
- Vanderwyck, August H. B.** See Wang, Cheng-Chi
- Vanness, Dennis A.** See White, Arnold G.
- Vaquier, A.; and Morin, D.**
Porosity and chemical composition—important factors in the choice of a lightweight aggregate. 60-04554A
- Varazashvili, L. V.** See Shushanashvili, A. I.
- Varfolomeev, M. B.** See Razgon, E. S.
- Vargunin, A. I.** See Balabanova, E. A.
- Variati, Galliano** See Paolini, Antonio E.
- Varner, J. R.; Hallwig, W.; and Walter, A.**
Impact damage on annealed and on tempered flat glass. 60-00182A
- Varschal, B. G.** See Bondarev, K. T.
- Varschal, B. G.; Golikman, V. Yu.; and Mirskikh, L. K.**
Relation between concentration and viscosity of glasses in the system $\text{Na}_2\text{O(K}_2\text{O)-CaO-Al}_2\text{O}_3\text{-SiO}_2$ in the interval 10^{-10} – 10^3 P. 60-04849A
- Varshavskii, T. P.** See Erkin, L. I.
- Varshneya, Arun K.** See Soules, Thomas F.
- Vartanyan, M. E.; Kirakosyan, A. B.; and Balasanyan, B. S.**
Metallic coatings on glass. 60-01252P
- Vashishta, P.; Mundy, J. N.; and Shenoy, G. K. (Editors)**
Fast Ion Transport in Solids: Electrodes and Electrolytes. 60-02028B
- Vasil, J.** See Manchanda, L.
- Vasile, M. J.**
Etching of SiO_2 and Si in an H_2F plasma. 60-03082A
- Vasil'ev, G. P.; Pakhomov, L. A.; and Ryabova, L. A.**
Structural and electrical properties of dc sputtered MnCo_2O_4 films. 60-01567A
- Vasil'ev, L. N.; Makeeva, K. V.; and Archakov, Yu. I.**
Mechanochemical oxidation of SnTe . 60-04368A
- Vasilevskaya, T. N.** See Golubkov, V. V.
- Vaskova, Ludmila**
Problems concerning the carryover in glassmelting furnaces. 60-04832A
- Vasudev, P. K.** See Wilson, R. G.
- Vasyutin, I. N.** See Minakov, V. A.
- Vasyutinskii, N. A.**
Interactions in the systems $\text{Ti}_2\text{O}_3\text{-Al}_2\text{TiO}_5$ and $\text{Ti}_2\text{O}_3\text{-MgTiO}_3$. 60-04356A
- Vatutin, A. D.; Abramov, B. G.; and Gurin, S. S.**
Heat-resistant lubricant for glass molds. 60-01247P
- Vaughan, David E. W.; Lussier, Roger J.; and Magee, John S., Jr.**
Pillared interlayered clay products. 60-05542P; Stabilized pillared interlayered clays. 60-02930P
- Vavilanova, V. T.** See Galachov, F. Ya.
- Vavilova, V. V.** See Dekanenko, V. M.
- Vay, J.** See Loresch, H. K.

- Venl, B. W. See Lam, D. J.
 Ved, E. I.; Zharov, E. F.; and Satarin, A. V.
 Gypsum binder. 60-04586P
 Ved, V. See Kulekov, G. V.
 Vega Lino, J.; Lopez Carranza, E.; and Valera Palacios, A.
 ESR study of Fe³⁺ in the titanium site of MgTiO₃. 60-01879A
 Vektaris, B. See Mituzas, J.
 Velasco, Gonzalo See Croset, Michel
 Velbel, Michael A. See Berner, Robert A.
 Velde, B.; and Gendron, C.
 Chemical composition of some Gallo-Roman [window] glass fragments from central western France. 60-02057A
 Veldkamp, J. D. B.; and Hattis, N.
 Deformation and cracking during high temperature scratching of a glass. 60-03467A
 Velea, M.
 Effect of the addition of water glass to the charge during the production of foam glass: I. 60-04724A
 Velisar, Anica; Dragomir, C.; and Szabo, A.
 Oxide materials for catalyst supports in the petrochemical industry. 60-01770A
 Veltri, R. D. See Galasso, Francis S.
 Venables, J. D. See Ditcher, B. M.
 Vendl, Alfred; Ettmayer, Peter; and Banik, Gerhard
 System Cd-C-N. 60-05719A
 Venetsev, Yu. N. See Bush, A. A.; Politova, E. D.
 Venitskii, V. N.; Eremenko, V. V.; and Matyushkin, E. V.
 Optical study of spin and magnetoelectric waves in an yttrium ferrite-garnet single crystal during longitudinal magnetic pumping. 60-04034A
 Venkataramani, R. See Krishnamurthy, N.
 Venkatesh, H. V.
 Preparation of epitaxial rare earth thin films. 60-02781P
 Ventov, N. G. See Pak, V. N.
 Venturi, V.
 Studies of clays for tile production in tropical African areas. Synthesis of results. 60-02911A
 Verdow, Dennis M.
 High strength cordierite ceramic. 60-03987P
 Verba, L. N. See Usatkov, I. F.
 Verba, R. J.
 Automatic application of color on whiteware by banding, spraying, and other means. 60-01464A
 Verchota, W. Roland See Yearick, Daniel R.
 Verduitt, Josephus A.; Manders, Lambertus W. J.
 Method of applying luminescent material to a glass support. 60-01268P
 Verebichik, N. M. See Andreeva, T. A.
 Vereshchagin, V. I.; Sennikov, S. G.; and Revzin, G. E.
 Physicochemical processes of structure formation in chromate-bonded alumina ceramics. 60-04394A
 Vereshchagin, V. I.; Usov, P. G.; and Pogrebenkov, V. M.
 Refractory material [with improved vacuum density by adding 0.05–2.00 wt% additive]. 60-05179P
 Vereshchagin, V. I.; Zelinskii, V. Yu.; and Pogrebenkov, V. M.
 Conditions for the low-temperature synthesis of MgAl₂O₄ spinel from oxides. 60-03877A
 Vergilov, V.; Fekeldzhiev, G.; and Radkova, A.
 Possibility of synthesizing high-hardness vitrocristalline materials based on serpentine. 60-04829A
 Verita, M. See Hreglich, S.
 Verma, B. K.; Pratap, V.; and Lal, H. B.
 Transport properties of monoclinic rare earth oxides. 60-05732A
 Verma, S. S. See Ghose, M. C.
 Vermeylen, M.
 Environmental legislation and recycling of glass in Europe. 60-00155A
 Vernolle, Jean See Campet, Guy
 Vershinina, K. I.; Lugovskaya, E. K.; and Vikulov, V. F.
 Composition for treating glass fiber sewing thread. 60-04924P
 Versluis, J. W.; and Peelen, J. G. J.
 Optical communication fibers—manufacture and properties. 60-03627A
 Verulashvili, R. D.; Gaganashvili, D. S.; and Kvitsaridze, O. I.
 Glass for food. 60-04945P
 Verulashvili, R. D.; Kogan, V. E.; and Kekeliya, D. I.
 Glass for a mica-crystalline material. 60-04943P
 Verweij, Henk
 Raman study of arsenic in potassium silicate glasses. 60-00257A; Raman study of arsenic-containing potassium silicate glasses. 60-04841A
 Verweij, Henk; and Buster, J. H. J. M.
 Structure of lithium, sodium, and potassium germanate glasses studied by Raman scattering. 60-01173A
 Vesper, K.; and Weisheiner, G.
 Three years' operating experience with the Ljungstrom cooler in a dust collection system for a clinker cooler. 60-01294A
 Vessin, Yu. I.; and Zakovryashin, S. P.
 Crystal lattice parameters and decomposition of solid solutions of KCl-NaCl. 60-00780A
 Vester, F.
 Building materials and ecology. 60-05012A
 Vespremi, Tamas See Hoffmann, Gyorgy
 Vezzoli, Gary C.
 On-state decay in NbO₃—relation to recombination and to nonlinear I-V. 60-03137A
 Vich, Milan
 Mechanical strength of glass containers. 60-04798A
 Vida, M. See Constantin, C.
 Viechnicki, Dennis J. See Caslavsky, Jaroslav L.
 Viel, Lyndon C. (Editor)
 Clay Giants: Book 2, The Stoneware of Red Wing, Goodhue County, Minnesota. 60-03267B
 Viets, John G. See Clark, J. Robert
 Vietzke, Horst See Borner, Paul
 Vig, John R.
 Method of growing quartz. 60-03004P
 Vig, John R.; and Brandmayr, Ronald J.
 Method of chemically polishing a doubly rotated quartz plate. 60-04965P
 Vijan, Prem N.
 Determination of antimony in environmental samples by AA [atomic absorption]. 60-01661A
 Vikaruk, L. N. See Silich, L. M.
 Vikhrov, M. N.; and Karapetyan, G. O.
 Method for producing gradient photochromic layers on glass. 60-01095A
 Viktorov, L. V. See Paivanov, V. P.
 Vikulov, V. F. See Vershinina, K. I.
 Villani, G. See Pilla, O.
 Vilk, P.
 Feeders and forehearth—British expertise serves the world. 60-03508A; Forehearth—using energy efficiently. 60-03517A
 Vilkov, S. M.; Gaidzhurov, P. P.; and Rotech, N. V.
 Diffusion of Ca(OH)₂ through hardening cement paste. 60-03349A
 Villa, Marco See Bjorkstam, John L.
 Villalobos, H. F.-M.
 Ultrasharp polycrystalline diamond edges, points, and improved diamond composites, and methods of making and irradiating them. 60-04493P
 Vincenzini, Pietro
 Present status and trends of research on reaction-bonded and hot-pressed silicon nitride for structural application in advanced heat engines. 60-02970A; See also Biffi, Giovanni
 Vinitskii, I. M. See Samsonov, G. V.
 Vinnikova, I. S. See Mikhailova, N. A.
 Vinograd, M. I. See Kiseleva, S. A.
 Viquesnel, A. See Serayet, M.
 Virgil'ev, Yu. S. See Pekal'ni, T. K.
 Virgo, D.; Mysen, B. O.; and Kushiro, I.
 Anionic constitution of 1-atmosphere silicate melts—implications for the structure of igneous melts. 60-03435A
 Virkar, Anil V.
 Breakdown of β'-alumina solid electrolyte. 60-04276A; Simulated strength-grain size study using a glass-glass-ceramic composite system. 60-02336A; See also McEntire, Bryan J.
 Virkar, Anil V.; Shetty, Dinesh Kumar; and Evans, A. G.
 Grain-size dependence of strength. 60-03093A
 Visan, Dumitru
 Perfecting the determination and control of expenses for raw materials and technological fuel in the glass industry. 60-04822A; Standpoints regarding the rationalization of cost calculation in the glass industry. 60-04871A
 Visca, Mario See Matijevic, Egon
 Vischer, Peter
 Apparatus and method for obtaining uniform gobs in a triple gob feeder. 60-01206P
 Visegrady, Peter See Kiss, Robert
 Vishnevskii, I. I.
 Relation between the creep and porosity of ceramic bodies. 60-04415A
 Vishnevskii, I. I.; and Tal'yanskaya, N. D.
 Creep of multilayer refractory in neutral and reducing mediums. 60-00405A
 Visomblin, G.; and Tchoubar, D.
 Premetallizing of high alumina ceramics. 60-02687A
 Visser, Robert G.; and Lokken, Roger C.
 Effect of the severity of the grinding mode on the wear characteristics of grade 36 Al₂O₃- and Al₂O₃-ZrO₂-coated abrasive belts. 60-03298A
 Visser, Wiekert; and Koster van Groen, A. F.
 Effect of pressure on liquid immiscibility in the system K₂O-FeO-Al₂O₃-SiO₂-P₂O₅. 60-01884A
 Viswanathana, V. N. See Raina, S. J.
 Viswanathana, M. N.; Tareen, J. A. K.; and Katty, T. R. Narayana
 Hydrothermal phase equilibria studies in Ln₂O₃-H₂O systems and synthesis of cubic lanthanide oxides. 60-04348A
 Vitalis, Gyorgy See Hegyi-Pako, Julia
 Vitina, I.; Raman, A.; and Tomsonse, S.
 Determination of the sulfate content in bricks made from Devonian clays. 60-01308A
 Viting, L. M.; Zvezinskii, L. A.; and Gorbovskaya, G. P.
 Physicochemical study of low-melting solvents based on Mo(VI) oxide [MoO₃] in the system solvent-ferrite. 60-05674A
 Vitko, J. Jr. See Shelby, J. E.
 Vitryanyuk, V. K. See Pilyankevich, A. N.
 Vlasov, A. S. See Midenko, N. I.; Keshishyan, T. N.
 Vlasov, E. A. See Semin, E. G.
 Vlasova, M. T. See Ivashchenko, S. I.
 Vlasova, M. T.; Yudovich, B. E.; and Kuznetsova, T. V.
 Cement [with Ca aluminate added for increased strength]. 60-04583P
 Vlasova, M. T.; Yudovich, B. E.; and Zharko, V. I.
 Production of fluorine-containing clinker in the manufacture of rapid-hardening cements. 60-04559A
 Vodenicharov, M. See Marinov, M.
 Vodenicharov, M.; Sivova, R.; and Fekeldzhiev, G.
 Problems in the grinding and molding of quartz glass. 60-04833A
 Voelker, Horst
 Boron-containing glass—a testing glass for chemical analysis. 60-04673A
 Vogel, Eva M. See Johnson, David W., Jr.; and Yan, Man F.
 Vogel, Eva M.; Johnson, David W., Jr.; and Yan, Man F.
 Homogenization, phase formation, and sintering of spray-dried β'-Al₂O₃. 60-02652A
 Vogel, R.; and Winter, B.
 Assessment of rotary coolers from the thermal point of view. 60-02075A
 Vogel, Werner
 (Editor) Chemistry of Glass (Glas Chemie). 60-03265B; Otto Schott—a pioneer in glass research. 60-03632A; Structure and properties of glass-ceramics as a new class of materials. 60-05866A
 Voigt, B. See Feltz, Adalbert
 Voldan, Jan
 DTA study of the crystallization of glass with anorthite composition. 60-02258A
 Volf, Milos Bohoslav
 Chemical model of glass: I. Introduction. 60-04681A; Chemical model of glass: II. Interrelation of properties. 60-04682A; Chemical model of glass: III. Characteristics and indexes. 60-04683A; Chemical model of glass: IV. Activation energy. 60-04684A; Chemical model of glass: V. Acidobasicity. 60-04685A; Oxygen anomalies of oxide glasses: I. 60-04821A
 Vol'fson, R. E.; Orlova, I. G.; and Gerasimenko, A. K.
 Effect of technological parameters on the properties of refractories obtained from Vladimir arenaceous kaolin. 60-00417A
 Volkov, D. P.; Zarichnyak, Yu. P.; and Meshdovskii, I. K.
 Heat conduction of porous glasses. 60-04763A
 Volkov, G. F. See Labinskii, P. G.
 Volkov, G. M. See Pekal'ni, T. K.
 Volkov, V. I.
 Thermodynamic investigation of the oxidic vanadium bronzes Cu₂V₂O₇. 60-03234A
 Volkova, L. M.; Samarets, L. V.; and Polischuk, S. A.
 Crystal structures of hydroxylfluorides of zinc and cadmium. 60-01864A
 Volkova, L. V. See Revzin, G. E.; Sennikov, S. G.
 Volkova, V. A. See Bois, G. V.
 Vollerin, B. L. See Noir, D. T.
 Vollers, Charles S. See Myers, John D.
 Volynskii, M. D.; and Grzegorzewski, O. A.
 Growth and elastic properties of Pb(SiO₃)(VO₃); single crystals. 60-00799A
 Volochienko, L. N. See Gorlov, Yu. P.
 Volpe, Roberto See Corradini, Giorgio
 Volynets, F. K. See Bazarova, L. F.; Gilev, I. S.
 Von Benda, Klaus; and Kistrup, Holger
 Sodium-sulfur battery with glass electrolyte. 60-01632P
 Von Muench, W. See Burgemeister, E. A.
 Von Recum, A. F. See Park, J. G.
 Von Wedel, K. See Fredenberg, K. G.
 Von der Muehl, R. See Sadel, A.
 Vondracek, Frank; Stalter, Thomas L.; and Borowski, Bernard
 Concepts and experiences in using reclaimed enamels—a panel presentation. 60-04602A
 Vong, Sandy T. S.
 [Oxide] coated glass article. 60-00363P
 Vorlicek, Jaroslav
 Analysis of the surface finish of glass fibers. 60-04666A
 Vorob'ev, Yu. P.; Dragoshanskaya, T. I.; and Matskevich, S. L.
 Nonstoichiometry of Y₂Fe₂O₇, Gd₂Fe₂O₇, and Y₂Gd₂Fe₂O₇ in the range 800–1400°C. 60-05660A
 Vorob'ev, Yu. P.; Dragoshanskaya, T. I.; and Perelyayeva, L. A.
 Physical properties and IR absorption spectra of solid solutions of ferro- and ferroaluminogarnets of Y and Gd. 60-04393A
 Voron'ko, Yu. K. See Ashurov, M. Kh.; Avanesov, A. G.
 Voronkov, A. A. See Maksimov, B. A.
 Voronkova, V. I.; Evlanova, N. F.; and Yanovskii, V. K.
 Crystallization of LiNbO₃ from solution in borate, vanadate, and tungstate melts. 60-01867A
 Voronkova, V. I.; Kozinskaya, T. G.; and Yanovskii, V. K.
 Growth and properties of Dy₂(MoO₄)₃ crystals. 60-01903A
 Voros, A. See Bansaghi, Z.
 Voroshilov, Yu. V. See Bodnar, I. V.; Oleksyuk, I. D.
 Voss, Peter
 Method of restoring Si crystal lattice order after neutron irradiation. 60-05401P
 Vossen, Juergen See Graeber, Wolf-Dietrich
 Votava, Werner F.; and Wonnacott, Thomas W.
 Cadmium glass having low cadmium oxide solubility. 60-01219P
 Vouillemet, M.; Tellier, C.; and Juillard, M.
 Drying behavior of fine ceramic materials. 60-04175A
 Vrbacky, Ivan See Drevikovskiy, Milan
 Vrisakis, Georges; and Chastel, Jacques
 Granulation of sodium metasilicate. 60-02916P
 Vrugt, Peter J. See Klomp, Jan T.
 Vuskevich, Yu. A.; Rivkin, V.; and Kramarov, O. P.
 Piezoelectric ceramic material. 60-01620P

- Vyas, H. M. See Prasad, E.
 Vyas, M. K. R.
 Tensile performance of packaged optical fibers. 60-03701A
 Vykhotovets, A. F. See Kochuev, E. S.
 Vysotskii, S. A. See Mironov, S. A.
- Wada, Kazumi See Osaka, Jiri
 Wada, N.; Sotlu, S. A.; and Wong, J.
 Raman and infrared spectroscopic studies on α , β , and amorphous Si_3N_4 . 60-04406A
 Wada, Nobuyuki See Nagai, Bin
 Wada, Shigetaka See Atsumi, Senji
 Wade, Melvin J. See AuCoin, Thomas R.
 Wadhawan, O. P.; and Kundu, N. N.
 Room temperature negative bias instability in silicon dioxide films grown in the presence of O-trichloroethylene. 60-01559A
 Wagner, C. N. J.
 Diffraction analysis of metallic, semiconducting, and inorganic glasses. 60-01014A
 Wagner, Rudolf See Kosmac, Thomaz
 Wahl, Rajeshwar P.; and Lischner, B.
 Fracture behavior of composites based on $\text{Al}_2\text{O}_3\text{-TiC}$. 60-04211A
 Wahl, Joseph M. See Oka, Yoshio; Tomozawa, Minoru
 Waisniz, Franz See Weiss, Franz
 Walte, M. J. See Nicholas, M. G.
 Waizer, Walter; and Hellesberger, Harald
 Grinding wheel containing grain-coated reinforcement fibers and method of making it. 60-03302P
 Wakabayashi, Kuniaki See Kobayashi, Ryuji
 Wakabayashi, Motoyoshi; Ono, Takeo; and Togari, Osamu
 Process for the production of alumina suitable for use as a catalyst carrier. 60-03017P
 Wakaki, J. See Mackenzie, John D.
 Wakakuwa, Mutsuo See Makishima, Akio
 Wakasa, Isao; Yamazaki, Shuichi; and Taguchi, Hideo
 Glass composition. 60-01239P
 Wakasugi, Makoto See Noguchi, Kazuo
 Wakazono, K. See Yamanouchi, Kazuhiko
 Wakita, Koichi; Fukuda, Mitsuo; and Iwane, Genzo
 Reliability tests on optical semiconductor devices for optical fiber transmission systems. 60-00519A
 Walentynowicz, E.; Bertrandi-Zytkowiak, M.; and Maruszak, M.
 Heat treatment of electroluminescent zinc sulfide films. 60-02644A
 Walker, B. H. See Mendelson, M. I.
 Walker, K. L. See Simpson, J. R.
 Wallace, J. S. See Claussen, Nils
 Wallace, W. E. See Subbarao, E. C.
 Walling, John C.; and Peterson, Otis G.
 High gain laser performance in alexandrite. 60-02646A
 Walling, John C.; Peterson, Otis G.; and Morris, Robert C.
 Tunable alexandrite laser. 60-02719A
 Wallouch, Rudolph W.; and Fair, Frank V.
 Refractory concrete for graphitizing furnaces. 60-02526A
 Walrafen, George E.; Samantia, S. R.; and Krishnan, P. N.
 Raman investigation of vitreous and molten boron oxide. 60-03176A
 Walter, Douglas M.
 Method of making glass fibers having a reduced tendency to give gumming deposits. 60-01274P; Size for forming glass fibers having a reduced tendency to give gumming deposits. 60-00376P
 Walter, A. See Varner, J. R.
 Walter, Ludwig See Derleth, Helmut
 Walther, G. See Hollenberg, Glenn W.
 Walton, Ronald O.
 Glassmelting furnace structure. 60-00332P
 Wang, Cheng-Chi; and Vandewyck, August H. B.
 Semiopen liquid phase epitaxial growth system. 60-04100P
 Wang, Cheng-yu; and Wang, Jia-fan
 Glass decolorizing. 60-01051A
 Wang, David N. See Levinstein, Hyman J.
 Wang, Hso-bing See Deng, Pei-chen
 Wang, Hsingya A.; and Kroeger, F. A.
 Chemical diffusion in polycrystalline Al_2O_3 . 60-00772A; Pore formation during oxidative annealing of $\text{Al}_2\text{O}_3\text{-Fe}$ and slowing of grain growth by precipitates and pores. 60-01954A
 Wang, J. C. See Engstrom, Herbert
 Wang, Jia-fan See Wang, Cheng-yu
 Wang, M. S. See Spear, Karl E.
 Wang, Y.; Freeman, M.; and Notenburg, R.
 Automation of laser-flash thermal diffusivity measurements. 60-00628A
 Wapler, H.; and Juchem, H. O.
 Glass and ceramics grinding—the optimum diamond grits. 60-02040A
 Ward, A. R. See Paul, Amalendu
 Ward, Arthur G. T.
 Methods of reducing the energy consumption of gypsum processing in the calcining kettle. 60-02151A; Treatment of gypsum plaster. 60-00080P
 Ward, Lowell G. See Steinberg, Albert H.
 Ward, Melvyn
 Influence of lubricants on dimensional changes and mechanical properties of sintered ferrous compacts. 60-04215A
 Ward, Melvyn; and Billington, J. C.
 Effect of zinc stearate on apparent density, mixing, and compaction/ejection of iron powder compacts. 60-04208A
 Ware, William C. See Heimsoth, Dietrich A.
 Warkentine, Ronnie L.
 Fiber bundle termination. 60-03745P
 Warmack, R. J. See Christie, W. H.
 Warren, James W.
 Composite article [carbon fiber] and method of making it. 60-05528P
 Warren, R. See Matzke, H.
 Warshaw, S. See Lapp, Marshall
 Warshawsky, Jay
 Method of converting a rotary kiln cement making plant to a calcining furnace cement making plant. 60-03405P
 Warwaruk, J. See Hatzinikolas, M.
 Warzawa, Wolfgang See Loeser, Harald
 Wassa, K. See Mitsuyu, Tsuneo
 Wasilik, J. See Share, S.
 Wasniewski, Alain See Malugani, Jean Pierre
 Wasserman, G. See Bergmann, H.-W.
 Wasserman, Zeldi R. See Snyder, Lawrence Clement
 Wasserstein, Linda J. See Crandall, William B.
 Wasyluk, John S. See Novak, John H.
 Watanabe, Akira; Kusaka, Yukio; and Shinoda, Noboru
 High carbon-magnesia refractory. 60-05085A
 Watanabe, Akira; Kusaka, Yukio; and Suzuki, Yoshihiro
 Performance of magnesite-carbon brick in the slag line of an LF vessel. 60-05099A
 Watanabe, Akira; Sugimoto, Tetsuya; and Kusaka, Yukio
 Carbonaceous bricks and method for producing. 60-00457P
 Watanabe, Akira; and Tokuda, Hiroyasu
 Alteration of refractories for the hot spot of an electric arc furnace in the U.S. 60-05047A
 Watanabe, Denjiro See Tanaka, M.
 Watanabe, H.
 Light metal matrix composite materials, reinforced silicon carbide fibers, and a method for producing said composite materials. 60-01811P; Method for producing heat-resistant composite materials reinforced with continuous silicon carbide fibers. 60-00752P; Method for producing silicon carbide sintered moldings consisting mainly of SiC. 60-03932P; Organosilicon high molecular weight compounds. 60-03936P; Silicon carbide sintered moldings and a method for producing said moldings. 60-01459P
 Watanabe, Kiyoshi; Sunahara, Kazuo; and Fujita, Tsutomu
 Method for vapor depositing a cerium oxide film. 60-01606P
 Watanabe, M.; Ono, H.; and Tozoy, K.
 Boosting container strength via surface treatment. 60-02248A
 Watanabe, Nobutsu See Kondo, Teruhisa
 Watanabe, Tadahiko; and Shimizu, Hiroki
 Boride-based refractory materials. 60-03920P
 Watanabe, Toshio See Eguchi, Tadataka
 Watanabe, Toshiro See Kubo, Sukei
 Watanabe, Yasuo; Isoyama, Seizi; and Yamamichi, Yoshikazu
 Process and apparatus for production of spherical grain ferrite powder. 60-00595P
 Watanabe, Yoshiaki See Mizutani, Yukio; Taga, Genji
 Watanabe, Yoshiharu See Nakagawa, Koji
 Watkins, L. S.
 Methods for nondestructively determining parameters of an optical fiber preform. 60-00644P
 Watkins, L. S.; and Frazee, R. E., Jr.
 High speed measurement of the core diameter of a step-index optical fiber. 60-01060A
 Watkins, R.
 Glass engineering. 60-03532A
 Watson, E. B. See Takata, Masasuke
 Watson, Ian
 Industrial minerals of Italy. 60-04185A
 Walters, Larry T. See Tinsley, John M.
 Watts, A. A. (Editor)
 Commercial Opportunities for Advanced Composites. [ASTM Spec. Tech. Publ. 704] 60-05750B
 Wauke, N. V.; and Weiss, R.
 Determination of friction between concrete surfaces. 60-03346A
 Wawner, F. E. See Eason, J. W.
 Wawner, F. E.; and Nutt, S. R.
 Investigation of diffusion barrier materials on silicon carbide filaments. 60-00716A
 Waxler, Roy M.; and Feldman, Albert
 Piezoelectric coefficients of four neodymium-doped laser glasses. 60-00242A
 Weaver, John H.; Bradshaw, A. M.; and Van der Veen, J. F.
 Angle-resolved photoemission studies of TiC(111) and TiC(100). 60-05555A
 Weaver, Leland A. See Liu, Chi-Sheng
 Weaver, Robert L.; and Jamieson, Alastair M.
 Light protective bottle glass. 60-02406P
 Webb, Bradley A. See Dolowy, Joseph F., Jr.
 Webb, J. B. See Buchanan, M.
 Webb, J. B.; and Williams, D. F.
 Photovoltaic—an energy solution? 60-01552A
 Webb, Robert Carroll; Isaacson, L.; and Marram, E. P.
 Response of fiber optic waveguides to ionizing radiation. 60-03659A
 Webber, P. J. See Savage, J. A.
 Webber, P. J.; and Savage, J. A.
 Measurement of the viscosity of chalcogenide glasses by a parallel plate technique. 60-03600A
 Weber, G. W. See Srinivasagopalan, S.
 Weber, J. See Zhukov, V. P.
 Weber, Marvin J.
 Glass for neodymium fusion lasers. 60-01052A; See also Braver, Steven; Cline, Carl F.
 Weber, S. G. See Borchardt, G.
 Webster, R. See Jackson, B.
 Webster, William C. See Minnick, L. John
 Wedding, Brent M. See Borrelli, Nicholas F.
 Wedell, R. K.; Damman, R. E.; and Greenberg, S. A.
 Effect of cover material and plastic honeycomb on collector performance. 60-03485A
 Weeks, Robert A. See Sonder, E.
 Weeks, Robert A.; Magruder, R. H., III; and Kinser, Donald L.
 Effect of OH on uv optical absorption of reduced GeO_2 glasses. 60-01021A
 Weeks, Robert A.; Nasrallah, Magdi; and Arafa, Salah
 Study of fusion processes of natural glasses by electron magnetic resonance spectroscopy. 60-00283A
 Wehner, Dieter
 Methods and possibilities for realizing the rational use of energy in the glass and ceramic industry. 60-05433A
 Wei, Chung-Chuang See Wu, Long
 Wei, P. S. P. See Sandstrom, Donald R.
 Weick, Juergen See Pabst, Reiner F.
 Weick, Juergen M. See Li, Li-Shing
 Weigand, R. See Loresch, H. K.
 Weiler, Manfred
 Furnace construction and its effect on surface cord in container glass. 60-02288A
 Wein, William J. See Shoup, Robert D.
 Weinberg, Ekkehard See Aignesberger, Alois
 Weinberg, Michael C. See Zak, Michail
 Weinberg, W. H. See Evans, H. E.
 Weinberger, A. J. See Huelt, L. D.
 Weiner, George R.
 Method and apparatus for distributing mineral fibers. 60-02410P
 Weinstein, A. M.; Klawitter, J. J.; and Cook, S. D.
 Implant-bone interface characteristics of bioglass dental implants. 60-05513A
 Weisenhaus, W.
 Selection of enamels for hollow ware. 60-04645A
 Weisheiner, G.
 Experience with automation of shipping in the Dornier-hausen portland cement works. 60-02115A; See also Vesper, K.
 Weiss, Franz; Waisniz, Franz; and Baumgartner, Friedrich
 Apparatus for building up and repairing the refractory lining of industrial furnaces and hot-running vessels. 60-02533P
 Weiss, Herbert See Mueller, Georg
 Weiss, R. See Waubke, N. V.
 Weissmantel, Christian See Eriker, Hans Joerg
 Weissmantel, Christian; Reisse, Guenter; and Eriker, Hans Joerg
 Preparation of hard coatings by ion beam methods. 60-01774A
 Weiswiler, Werner; and Serry, Mohamed A.
 Electron microprobe analysis of the attack of basic slag on dolomite/magnesite brick. 60-05076A
 Weitzel, H. See Langhof, H.
 Welch, Melvin B. See McDaniel, Max P.
 Wellard, Charles L.
 Method for making a [ceramic] chip circuit component. 60-04072P
 Wellner, Peter; and Hoven, Helmut
 Techniques for preparing polished sections and the structural classification of special ceramics with different porosities. 60-04160A
 Wen, Shu-lin; Jefferson, D. A.; and Thomas, John Meurig
 Replacement of calcium by strontium in the wollastonite structure—an electron microscope study. 60-01967A
 Wendlandt, W. W.
 Convenient electrical conductivity (EC) differential thermal analysis (DTA) apparatus. 60-00630A
 Wendling, L.
 Monolithic brick one story high. 60-00386A
 Wengeler, Heinz See Freund, Friedemann
 Wengeler, Heinz; and Freund, Friedemann
 Atomic carbon in magnesium oxide: III. Anomalous thermal expansion behavior. 60-05559A; Atomic carbon in magnesium oxide: VII. Infrared analysis of OH-containing defects. 60-05563A
 Wenn, D.
 Fuel usage and burner design. 60-01696A
 Weimer, W. M. See Gancy, A. B.
 Wenfort, Robert H., Jr.; De Vries, Robert C.; and Bundy, Francis P.
 Sintered superhard materials. 60-02976A; 60-00728A
 Werner, Michel See Papuchon, Michel
 Wertheim, Gunther K.; and Guggenheim, Howard J.
 Conduction-electron screening in metallic oxides: IrO_2 . 60-04285A
 Werych, Ewald R.
 Industrial furnace with ceramic insulating modules having internal grid support. 60-02899P
 Wernski, Bronislaw; and Konik, Zofia
 Leachability of aluminum from 4-component sintered materials of the system $\text{CaO-SiO}_2\text{-Al}_2\text{O}_3\text{-Fe}_2\text{O}_3$. 60-02145A
 Wesche, Karlhan; Schubert, Peter H.; and Glitz, Horst W.
 Method of producing sand-lime bricks with a low bulk density. 60-00946P

- Wesson, Sheldon P.; and Tarantino, Anna
Wetting characteristics of E-glass textile filaments.
60-01201A
- West, Anthony R. See Almond, Darryl P.; Bruce, P. G.; Izquierdo, Georgina; Kuwano, J. Georgina; Kuwano, J.
- West, H.
Modernization and extension of Danish cement packing plant. 60-02154A
- West, H. W. H.
Economy in firing heavy clay products. 60-02468A; Energy and the heavy clay industry—problems and possibilities. 60-01309A; Importance of national energy surveys. 60-01697A; See also Haseltine, Barry A.
- West, H. W. H.; Hodgkinson, H. R.; and Beech, D. G.
Compressive strength of calcium silicate brick walls under axial loading. 60-03827A
- West, H. W. H.; Hodgkinson, H. R.; and Haseltine, Barry A.
Lateral load resistance of brickwork walls without precompression. II. 60-03841A
- Westbrook, L. D.; Fiddymont, P. J.; and Robson, P. N.
Photoelastic channel optical waveguides in epitaxial GaAs layers. 60-02327A
- Weston, David
Removal of iron and titanium minerals from aluminum bearing materials by chlorination and beneficiation. 60-05495P; Upgrading of bauxites, bauxitic clays, and aluminum mineral bearing clays. 60-05498P
- Weston, R. M.; and Rogers, Philip Sydney
Controlled crystallization and anisotropy of fibrous calcium metasilicate. 60-02256A
- Westwood, E. F., Jr. See Haseltine, H. T., Jr.
- Westwood, A. R. C.; Akerman, J. S.; and Mills, J. J.
Developments in the theory and application of chemomechanical effects. 60-01874A
- Wetherbe, Jean (Editor)
A Look at White Ironstone. 60-03257B
- Wey, Robert A. See Grey, David S.
- Whalen, Thomas J.; and Johnson, Carl F.
Injection molding of ceramics. 60-01758A
- Wheat, T. A.
Ionically conducting ceramics and their applications. 60-00508A; Superionics—today and tomorrow. 60-00522A; See also Quon, D. H. H.
- Wheeler, Donald R. See Brainard, William A.
- Whitbread, T. W. See Sackeng, C.
- White, Arnold G.; Tarbet, James K.; and Vanness, Dennis A.
Cutting apparatus for semiconductor materials. 60-05309P
- White, Art F.; and Claassen, Hans C.
Kinetic model for the short term dissolution of a rhyolitic glass. 60-04786A
- White, D. See Salamah, M. A.
- White, D.; and Michael, G. P.
Proposed method for the determination of small amounts of smectites in clay mineral mixtures. 60-02851A
- White, G. S. See Summers, Geoffrey P.
- White, George D.; Lavender, J. C.; and Hart, Patrick E.
UO₂ pellets from freeze-dried oxide microspheres. 60-01642A
- White, H. W. See Blacklock, Katherine
- White, James
Phase equilibrium and the interpretation of microstructure in complex oxide systems of technological importance. 60-02522A; See also Ghose, R. K.
- White, Sharon Spencer
See Biefeld, Renata M.
- White, William B.
Stabilities of nuclear waste forms and their geochemical interations in repositories. 60-05389A; See also Fox, K. E.; Furukawa, Toshiharu; Tsong, I. S. T.
- White, William R.
Flotation of inorganic materials from glass using hydrocarbon sulfonates. 60-04928P; Flotation separation of glass from a mixture of comminuted inorganic materials. 60-02386P
- Whitelock, K. E.
Is it toxic? 60-02231A
- Whitfield, Mark
Automatic filter press cuts cycle duration by ten times. 60-04127A; Clear view of glass piping for process plants. 60-03451A; FRP—high standards without a standard. 60-03506A; Heat pumps aid energy recovery in industry. 60-04177A; Taking the pneumatics out of tube conveying. 60-04133A
- Whitman, Richard C.
Automatic control is key to I.S. operation. 60-00107A
- Whitney, W. P.
Electron microprobe analysis of glaze/glass-ceramic interface reactions. 60-01032A
- Whitty, Farnell
Brick finishing machine. 60-03862P
- Wickens, H. G. See Stafford Smith, B.
- Wickersheim, K. A.; and Alves, R. B.
Recent advances in optical temperature measurement. 60-04156A
- Wickham, Donald G. See Im, Ho B.
- Wiederhorn, Sheldon M. See Fuller, E. R., Jr.
- Wiederhorn, Sheldon M.; and Hockey, Bernard J.
Hot erosion of glass. 60-00180A
- Wiegmann, Joachim
See Berger, Iris
- Wicker, Wolfgang; Horbelt, D.; and Goetz, Jiri
Anion distributions in silicate glasses and their importance for glass formation. 60-03434A
- Wierszyński, Ignacy
See Halamus, Lucjan
- Wierzbowski, Henryk; and Paluch, Stanisława
Refractory lining of soaking pits. 60-01396A
- Wihsmann, Fred G. See Hachner, Manfred
- Wihsmann, Fred G.; and Hachner, Manfred
Properties of chemically strengthened glasses. 60-04837A
- Wilberg, Ruediger
See Fleischer, Werner
- Wild, J.
Effluent disposal. 60-02226A
- Wilder, James A., Jr.
Glasses and glass-ceramics for sealing to aluminum alloys. 60-00174A
- Wilhelm, Richard E.
Method of shaping moving sheets on roll forming apparatus. 60-00355P
- Wilke, M. E. See Sanders, David M.
- Wilkening, Siegfried
Some topical problems of the carbon lining of blast furnaces. 60-01404A
- Wilkes, Donald F.
Process for cleaving crystalline materials. 60-02783P
- Wilkins, Nigel
International Seminar (on) Electrochemistry and Corrosion of Steel in Concrete—a review of the summary. 60-02142A
- Wilkinson, C. D. W. See Macfadyen, D. N.
- Williams, Victor
See Janssens, Theo
- Williams, Alan
See Banks, Reginald G. S.
- Williams, D. F. See Buchanan, M.; Webb, J. B.
- Williams, David Frederick
Heavy mineral separation of ancient ceramics by centrifugation—a preliminary report. 60-00892A
- Williams, John A.
See Batey, William
- Williams, P.; Krivanek, Ondrej L.; and Thomas, Gareth
Microstructure-property relations of rare-earth-zinc-oxide varistors. 60-02675A
- Williams, Robert M.
See Swank, Lewis R.
- Williams, Roy K.
See Liu, Chi-Sheng
- Williams, W. See Di Carlo, J. A.
- Williams, Wendell S.
See Mochel, Peggy
- Williamson, J. P. H.
See Evans, E. M.
- Williamson, J. P. H.; and Lloyd, D. E.
Characterization of ceramic bodies produced from plasma-dissociated zircon. 60-03951A
- Willis, B. T. M.; and Hazell, R. G.
Reanalysis of single crystal neutron-diffraction data on UO₂ using third cumulants. 60-02808A
- Willis, J. B. See Rosenzweig, Allan
- Willis, L. J. See Massey, G. A.
- Wills, Milton H., Jr.
Masonry cement composition. 60-03400P
- Wills, Roger R.; Brockway, M. C.; and McCoy, L. G.
Preliminary observations on the hot isostatic pressing of silicon nitride. 60-00722A
- Wilman, H.
See Boichot, S. J.
- Wilmsen, C. W.
See Laughlin, D. H.
- Wilshire, B. See Coath, J. A.
- Wilson, Alan D.; Crisp, Stephen; and Prosser, Havard J.
Aluminosilicate glasses for polyelectrolyte cements. 60-02240A
- Wilson, Ian H.
See Duckworth, R. G.
- Wilson, R. G.; Vasudev, P. K.; and Jamba, D. M.
Chromium concentrations, depth distributions, and diffusion coefficient in bulk and epitaxial GaAs and in Si. 60-02614A
- Wilson, Stephen John
Phase transformations and development of microstructure in boehmite-derived transition aluminas. 60-03158A
- Wilson, Stephen John; McConnell, J. D. C.; and Stacey, M. H.
Energetics of formation of lamellar porous microstructures in γ -Al₂O₃. 60-03081A
- Wilson, William I.
Abrasive bodies. 60-00877P; Diamond and cubic boron nitride abrasive compacts and conglomerates. 60-00006P; See also Pipkin, N. J.
- Winandy, Johann
See Roth, Mario
- Windscheif, J. C. See Iverson, M. V.
- Winkel, S.
Recording energy consumption by continual measurement with simple equipment. 60-02884A
- Winkhaus, Guenter
See Belsky, Milan
- Winsche, Warren
See Schweitzer, Donald G.
- Winslow, Douglas N.
Photoacoustic study of the water in hydrated cement paste. 60-03372A
- Winslow, G. H.
See Thorn, Robert J.
- Winter, B.
See Vogel, R.
- Wirtz, G. P.; Yu, C. J.; and Doser, R. W.
Defect chemistry and electrical properties of thallium oxide single crystals. 60-04293A
- Wise, David J.
See Compagnone, John A.
- Wiseman, C. D.
See Plunkett, P. V.
- Wisniewski, John P.
All-glass solar collector. 60-00101A
- Wisnoska, H.
See Banerjee, S. P.
- Witry, M.
See Muenk, R.
- Witt, Donald R.
Silica production. 60-03019P
- Wittko, J.
See Zatz, T. J.
- Wittmann, F. H.
See Dörner, H. W.
- Wittmer, Dale E.; and Buchanan, Reva C.
Low-temperature densification of lead zirconate-titanate with vanadium pentoxide additive. 60-05282A
- Wittmer, Marc
TiN and TaN as diffusion barriers in metallizations to silicon semiconductor devices. 60-02718A
- Wizson, Arthur J.
See Claypool, Stewart A.
- Woelfel, P.
See Niffka, Heinrich
- Woelfel, E.
See Langhof, H.
- Woermann, E.; Hahn, Theo; and Eysel, W.
Substitution of alkalis in tricalcium silicate. 60-00930A
- Woermann, Eduard; Knecht, Barbara; and Koshenauer, Matthias
Diamond synthesis. 60-02997P
- Wohlfarth, E. P. (Editor)
Ferromagnetic Materials—a Handbook on the Properties of Magnetically Ordered Substances. Vol. I. 60-04475B; Ferromagnetic Materials—a Handbook on the Properties of Magnetically Ordered Substances. Vol. II. 60-04476B
- Wojnarowski-Hrupka, Ilona; and Dobos, Sándor
Structure of inorganic synthetic glass fibers. 60-00282A
- Wojna, Jozef (Editor)
Physicochemical Principles of the Production Technology of Refractory Materials (Fizykochemiczne Podstawy Technologi Materialow Ogniotrwalych). 60-05756B
- Wojcik, Wanda T.
See Drozd, Mieczyslaw
- Wolf, D.
See Peterson, Norman Lee
- Wolf, Eberhard
See Heimsoth, Dietrich A.
- Wolf, Friedrich; Bergh, Karl-Heinz; and Pilchowski, Kurt
Synthesis and application of zeolitic molecular sieves. I. Synthesis. 60-05521A
- Wolfe, Everett G.
Support mechanism for heat exchangers in float glass apparatus. 60-02452P
- Wolfe, Terry L.
Treating covers for press bending molds, and method of press bending glass sheets. 60-05007P
- Wollhofen, G. P.
Tribotechnical engineering of open-running gear drives—present state and future developments. 60-02196A
- Wolter, Albrecht
See Ludwig, Udo
- Woltermann, Gerald M.
See Brown, Stanley M.
- Wong, Boon; and Pask, Joseph A.
Thermodynamic derivation of the dihedral angle equation for a two phase system. 60-03233A
- Wong, J.
See Wada, N.
- Wong, Joe
Sintering and varistor characteristics of ZnO-Bi₂O₃ ceramics. 60-05291A
- Wong, K. Y.
See Tovey, N. K.
- Wonnacott, Thomas W.
See Votava, Werner F.
- Woo, C. W.
See Chow, C. L.
- Wood, C. E. C.
See Stall, R. A.
- Wood, Charles
See Woosley, J. D.
- Wood, Charles L.
Override system for glass-forming machinery. 60-03800P
- Wood, Charles L.; and Daudt, Stephen W.
Glassware forming machine computer-ram controller system. 60-02393P
- Wood, Colin E. C.
See Harris, Jeffrey J.
- Wood, D. L.; and Shirk, James S.
Partition of hydrogen in the modified chemical vapor deposition process. 60-03634A
- Woodbury, D.
See Bienvu, M. P.
- Woodley, R. E.; and Adamson, M. G.
Oxygen potential of near- and nonstoichiometric urania-25 mol% plutonia solid solutions—comparison of thermogravimetric and galvanic cell measurements. 60-05381A
- Wooler, Alan M.; and Bengtson, Olle
Methods for consolidating radioactive waste material using self-setting or water-settable compositions containing an organic polysiocyanate, a nonionic surface active agent devoid of isocyanate-reactive groups, and alkaline filler. 60-02814P
- Woodley, J. L.
See Reeve, K. D.
- Woodley, J. D.; Wood, Charles; and Sander, E.
Photoelectric effects in magnesium aluminum spinel. 60-03160A
- Workman, G. M.; and Kessel, I. S.
Steelplant refractories face challenging future. 60-03911A
- Worrall, A. J.
Infrared transmitting glass. 60-03561A
- Worrall, William E.
See Figueredo Gomes, C. de S.; Fitzjohn, William H.
- Worsdell, W. J.
Glass and electric lamp manufacture. 60-03530A
- Wostenholm, G. H.
See Drake, C. F.
- Wozniacka, Elzbieta
See Grzenia, Andrzej
- Wratil, J.
Enamelled parts made of heat-resistant metals. 60-03428P; High temperature enamel with extraordinary properties. 60-04617A
- Wright, Adrian Carl; and Desai, J. A. Erwin
[Group] III-V analogs and bonding topology in vitreous silica. 60-03543A
- Wright, Donald C.; Marsh, Brian; and Young, Rodney L. D.
Thermal treatment of glass sheets. 60-00381P
- Wright, Jeffrey F.
P/E plant of 1990—a look ahead. 60-04634A; Porcelain enameling plant of 1990. 60-04638A
- Wright, R. E.
Electrostatic precipitator for emission control on soda-lime furnaces. 60-00152A

- Wright, Steve; and Kroemer, Herbert
Reduction of oxides on silicon by heating in a gallium molecular beam at 800°C. 60-02696A
- Wroblewska, G.
Diffusion effects in the process of sintering Al_2O_3 doped with MgTiO_3 . 60-03061A
- Wronski, Christopher R. See Moustakas, Theodore D.
- Wuss, Werner See Banik, Gerhard
- Wu, C. Cm. See McDonough, W. J.
- Wu, Che-Kuang
Stable silicate glasses containing up to 10 weight percent of water. 60-01164A
- Wu, Cheng Chiung; and Mason, Thomas O.
Thermopower measurement of cation distribution in magnetite. 60-05299A
- Wu, Chung P.; and Smeltzer, Ronald K.
Low-resistivity polycrystalline silicon film. 60-01595P
- Wu, Dao-hual See Zhang, Gan-cheng
- Wu, Long; Wu, Tien-Shou; and Wei, Chung-Chuang
Effect of various substitutions on the dc resistivity of ferrites. 60-01525A
- Wu, Shy-Hsien
Optically clear articles incorporating protective plastic coatings. 60-03798P
- Wu, Tien-Shou See Wu, Long
- Wu, Zhao-Jen See Lu, Xin-Sheng
- Wu, Zhong-wei
Approach to recent trends in concrete science and technology. 60-04513A
- Wuermli, H.
Engineering and construction of a new 500 ton/yr clinker plant at Gladstone, Australia. 60-02108A
- Wusirika, Raja R. See Chyung, Kenneth
- Wusirika, Raja R.; and Chyung, Kenneth
Oxynitride glasses and glass-ceramics. 60-00238A
- Wuttig, Manfred; and Anderson, Harlan U.
Model for evaporation of a grain-boundary phase. 60-01929A
- Wyllie, Peter J. See Maaloe, Sven
- Wylot, James M. See Blair, Gerald E.
- Xue, Jun-gan; Chen, Wen-hao; and Tong, Xue-li
Sulfoaluminate expansion in cement. 60-04569A
- Yaffe, Leo See Birgul, O.
- Yager, T. A.; and Kingery, W. D.
Equilibrium defect structure of iron-doped MgO in the range of 600–1200°C. 60-04326A; Kinetics of clustering reactions in iron-doped MgO . 60-04361A
- Yagi, Hideyuki See Misawa, Yutaka
- Yagi, Katsumichi See Osakabe, Nobuyuki
- Yagi, Takuo See Furumi, Koichi
- Yagodin, G. A. See Rakov, E. G.
- Yagub'yan, E. S. See Bukhalova, G. A.
- Yajima, Seishi; Iwai, Tadashi; and Yamamura, Takemi
Synthesis of a poly(titanocarbosilane) and its conversion into inorganic compounds. 60-04227A
- Yajima, Seishi; Okamura, Kiyohito; and Shishido, Toetsu
Joining of SiC to SiC using polyborosiloxane. 60-01760A; Process for producing ceramic sintered bodies. 60-03014P; Process for production of crystallized glass and process for producing composite article using said crystallized glass. 60-04992P
- Yakhkind, A. K. See Tatarintsev, B. V.
- Yakhkind, A. K.; and Chebotarev, S. A.
Glass formation, crystallization ability, density, and thermal expansion of glasses of ternary tellurite-halide systems. 60-01053A
- Yakhkind, A. K.; Ovcharenko, N. V.; and Tatarintsev, B. V.
Ion-exchange reactions of germanate glasses with molten alkali nitrates and refractive index gradients of these glasses. 60-04779A
- Yakovlev, I. I. See Nazarov, A. S.
- Yakovleva, T. P.; Chunyayeva, L. V.; and Grizik, A. A.
 ZrO_2 -based polishing composition. 60-04494P
- Yakubovich, V. A. See Dyatlova, E. M.
- Yamada, Junichi See Murakami, Yasuji
- Yamada, Junichi; Murakami, Yasuji; and Sakai, Junichi
Characteristics of a hemispherical microlens for coupling between a semiconductor laser and single-mode fiber. 60-02251A
- Yamada, Osamu See Takahashi, Tatsuo; Takashi, Tatsuo
- Yamada, Seichi; Kamehara, Nobuo; and Murakawa, Kyohei
Process for manufacturing an alumina substrate by acid purifying a pre-fired substrate before final firing. 60-00597P
- Yamada, Toyokazu See Mizuno, Masao
- Yamada, Yosaburo See Kihara, Hideo
- Yamagishi, Frederick G.
Surface passivated alkali halide infrared windows. 60-05003P
- Yamaguchi, Akira
Densification of Cr_2O_3 - ZrO_2 ceramics by sintering. 60-04296A
- Yamaguchi, Chikara; Eiraku, Masuo; and Yano, Hideo
Development of a long life steel teeming ladle by the Nippon Steel casting process. 60-05065A
- Yamaguchi, Hiroshi See Takaki, Yoshito
- Yamaguchi, Hisayoshi; and Kuroyanagi, Itsuo
Method for detecting crystal defects in semiconductor silicon and detecting solution therefor. 60-02750P
- Yamaguchi, Masafumi; and Ando, Kohshi
Thermal oxidation of InP and properties of oxide film. 60-05298A
- Yamaguchi, Takashi; and Kosha, Hidesaki
Sintering of acicular Fe_2O_3 powder. 60-04421A
- Yamaguchi, Tomohiro See Yoshida, Mitsuo
- Yamaguchi, Yoshihiro See Miyata, Naoyuki
- Yamaguchi, Yoshinobu See Nakazawa, Michihiko
- Yamaguchi, Yuji; and Sakuraba, Toshiaki
Magnetic anisotropy of europium in iron garnet. 60-03125A
- Yamaguti, Tiyomi See Goto, Kanji
- Yamaji, Akihiko See Enomoto, Youichi
- Yamakoshi, Shigenobu See Ueda, Osamu
- Yamamichi, Yoshikazu See Watanabe, Yasuo
- Yamamoto, K.; Kishino, S.; and Matsushita, Y.
Lifetime improvement in Czochralski-grown silicon wafers by the use of a two-step annealing. 60-02666A
- Yamamoto, Katsumi See Kimura, Tadamasu
- Yamamoto, Kenji See Kimura, Morihoro
- Yamamoto, Kosei; and Umeiya, Kaoru
Production of high density magnesia. 60-03901A
- Yamamoto, Niroku; Hiyoshi, Saburo; and Terao, Yoshi
Preventing defect formation in clay tiles by treating raw materials. 60-05027A
- Yamamoto, Noboru See Soejima, Shigeo
- Yamamoto, Osamu See Takenaga, Mutsuo
- Yamamoto, Takashi See Shiosaki, Tadashi; Yodogawa, Masatada
- Yamamoto, Takashi; Shiosaki, Tadashi; and Kawabata, Akira
Characterization of ZnO piezoelectric films prepared by rf planar-magnetron sputtering. 60-02612A
- Yamamura, H. See Shirasaki, Shinichi
- Yamamura, Takemi See Yajima, Seishi
- Yamano, Kazuo; Tokonami, Masayasu; and Nobugai, Kohji
Residual stress in siliceous glass between mullite crystals. 60-02335A
- Yamanaka, Hiroshi See Terai, Ryohi
- Yamanaka, Shoji
Ionic conductivity in anhydrous crystalline zirconium phosphates, $\text{Zr}(\text{MPO}_4)_x$ ($\text{M} = \text{Li}, \text{Na}, \text{K}$), with layered structures. 60-03113A
- Yamanishi, Toru; Yoshimura, Kozo; and Suzuki, Shuzo
Modified silicone as new type of primary coat for optical fiber. 60-02315A
- Yamanouchi, Kazuhiko; Wakazono, K.; and Shibayama, Kimio
Optical surface wave mode converters and modulators utilizing static strain-optic effects. 60-02324A
- Yamaoka, Toyoshi See Ueda, Osamu
- Yamashita, Kazuhiko See Iseki, Takayoshi
- Yamashita, Kimihiko; Koumoto, Kunihito; and Takata, Masasuke
Statistical analysis of dielectric strength of BaTiO_3 ceramic films. 60-00521A
- Yamashita, Tadaoki See Takenaga, Mutsuo
- Yamashita, Yohachi See Okuma, Hideo
- Yamato, Toshiya See Matsui, Shinji
- Yamauchi, Hideo; and Nakayama, Mineo
Automatic measurement of glass thickness. 60-00108A
- Yamazaki, Osamu See Ono, Shusuke
- Yamazaki, Shuichi See Wakasa, Isao
- Yamazaki, Takeo See Miyoshi, Tadahiko
- Yamazoe, Hiroshi See Ishikawa, Shohitsugu
- Yamazoe, Hiroshi; and Sugura, Isao
Composite graphite sheets. 60-01801P
- Yamshchikov, V. S.; Cherkashin, N. V.; and Shul'gin, A. I.
Use of variable-sign pressures for the dispersion of clays in liquid media. 60-03978A
- Yan, Man F. See Vogel, Eva M.
- Yan, Man F.; MacChesney, John B.; and Nagel, Suzanne R.
Sintering of optical waveguide glasses. 60-00267A
- Yan, Tsoung-yuan; and Espenscheid, Wilton F.
Clay stabilization in uranium leaching and restoration. 60-05489P
- Yanagase, T. See Kawahara, M.
- Yanagida, Hiroaki See Miyayama, Masaru
- Yanagida, Hiroaki; Takata, Masasuke; and Nagai, Masayuki
Fabrication of translucent ZrO_2 film by a modified doctor blade method. 60-02641A
- Yanagisawa, Osamu; Tanaka, Chikao; and Kokubu, Yoshinori
Change of gas composition in [a] bubble. 60-00118A
- Yanai, Toshiharu See Okino, Seiki
- Yanase, Toshinobu
Method for fabricating semiconductor devices. 60-02752P
- Yancey, Paul J.
Method for growing crystalline materials. 60-05327P
- Yang, Ralph T.; and Shen, Ming-Shing
Calcium silicates—a new class of highly regenerative sorbents for hot gas desulfurization. 60-01688A
- Yang, Sheng-Jenn; and Bates, Clayton W., Jr.
Role of cesium suboxides in low-work-function surface layers studied by X-ray photoelectron spectroscopy: Ag-O-Cs . 60-02698A
- Yankelevitch, Yu. B.
Thin film metal-insulator-metal system used as a nonheated source of electrons. 60-04047A
- Yankovskaya, S. A. See Bobkova, N. M.; Gorodetskaya, O. G.
- Yano, Kohzo; Kuwagaki, Hiroshi; and Hamada, Hiroshi
Ceramics for electrochromic display. 60-01582P
- Yanovskii, V. K. See Voronkova, V. I.
- Yanovskii, V. K.; Bosenko, A. A.; and Petrovskaya, T. P.
Crystal chemistry, polymorphism, and dielectric properties of tungstates $\text{K}(\text{M}, \text{W})_2\text{O}_6$. 60-05581A
- Yanson, G. See Simele, I.
- Yao, Lu-ping; Fang, Zhi-yao; and Zhuang, Zhi-xia
Fe-doped Vycor. 60-04744A
- Yao, Hideo See Yamaguchi, Chikara
- Yaralova, K. S. See Kostanyan, K. A.
- Yaralova, K. S.; and Kazaryan, R. O.
Dielectric properties of glass-ceramic in the system $\text{BaO-TiO}_2\text{-SiO}_2\text{-Al}_2\text{O}_3$. 60-01013A
- Yarbrough, David W.
Physical properties of residential insulations. 60-01381A
- Yarmolyuk, Yu. P.; Aksel'rud, L. G.; and Gladyshevskii, E. I.
Crystal structures of two compounds UCo_2Si_2 and ZrCo_2Si_2 . 60-01866A
- Yaron, Giori; and Hess, LaVerne D.
Application of laser annealing techniques to increase channel mobility in silicon on sapphire transistors. 60-02609A
- Yarotskaya, E. G. See Safonov, V. V.
- Yasue, Tamotsu See Arai, Yasuo
- Yasui, Michio See Shimasaki, Yasuzo
- Yasui, Robert K. See Mesch, Hans G.
- Yates, Douglas A. See Hatch, Arthur E.
- Yates, Douglas A.; Hatch, Arthur E.; and Goldsmith, Jeff M.
Apparatus for crystal growth control. 60-04050P
- Yau, Ben J.
Binder for glass fiber mat. 60-02372P
- Yavorskii, I. A.; Elchin, V. I.; and Gnesin, G. G.
Reactions of silicon carbide with oxidizing atmospheres. 60-01389A
- Yazu, Shuji See Hara, Akio
- Yearick, Daniel R.; Dale, Rush S.; and Verchota, W. Roland
Plant programs for materials reclamation—a panel presentation. 60-04637A
- Yearick, Daniel R.; Smith, Lester N.; and Sedalia, Narayan M.
Industry experiences with no-cobalt/low-cobalt systems—a panel presentation. 60-04622A
- Yendurain, Felix J. See Martinez, Emilio
- Yoder, Hatten S., Jr.
Experimental mineralogy—achievements and prospects. 60-05613A
- Yodogawa, Masatada; Morisawa, Matsuo; and Yamamoto, Takashi
Process for producing sintered body of ceramic composition for voltage nonlinear resistor. 60-02785P
- Yokokura, Shuichi; Horie, Yu; and Takamizawa, Minoru
Masking of abrasion injury on glass articles. 60-04951P
- Yokomizo, Yuji; and Minami, Kiyoshi
Method of manufacturing a voltage-nonlinear resistor. 60-04079P
- Yokoyama, Kazuo; Nishiyama, Ryuji; and Yonezawa, Taketoshi
Magnetic head and method for preparing it. 60-02408P
- Yokoyama, Mitsunori
Effect of pretreatment on the adherence of porcelain enamel to steel. 60-04606A
- Yoldas, Bulent E.
Formation of titania-silica glasses by low temperature chemical polymerization. 60-00166A; Method for applying reacted boron oxide layer to vitreous silica substrate. 60-00562P; Method of conforming clear vitreous gel of silica-titania material. 60-04968P; Method of forming transmissive, porous metal oxide optical layer of a vitreous substrate. 60-04970P; See also Paruso, Deborah M.
- Yoldas, Bulent E.; Filippi, Arthur M.; and Buckman, Raymond W., Jr.
Oxide protected mirror. 60-04984P
- Yoldas, Bulent E.; and Yoldas, Labomyra A.
Diffusion of dopant from optical coating and single step formation of PN junction in silicon solar cell and coating thereon. 60-02733P
- Yoldas, Labomyra A. See Yoldas, Bulent E.
- Yomota, Junji; Kurashina, Fumiaki; and Kamide, Mareyasu
Method for preparing a magnesia carbon brick. 60-02550P
- Yonezawa, Masamoto; Utsumi, Kazuaki; and Ohno, Tomeji
Ceramic compositions. 60-01580P
- Yonezawa, Taketoshi See Yokoyama, Kazuo
- Yonezuka, Kazumari See Shioi, Ryoichi
- Yonushonis, T. See Elkins, R. T.
- Yorita, Eiichi See Danjo, Hiroyuki
- Yoshida, M. See Okabayashi, H.
- Yoshida, Mitsuo; and Yamaguchi, Tomohiro
Tundish board—method and materials. 60-05129A
- Yoshida, Tetsuro; and Matsuno, Yoshimi
Electronic conduction of glass and glass-ceramics containing various transition metal oxides. 60-00151A
- Yoshida, Zenko See Kihara, Sorin
- Yoshihara, Yoichiro See Machida, Hisashi
- Yoshikawa, Shokichiro See Kimura, Takashi
- Yoshikawa, Yuji See Nakanishi, Takanori
- Yoshimura, Kozo See Uchida, Naoya; Yamanishi, Toru
- Yoshimura, Masahiro See Kuribayashi, Kiyoshi
- Yoshimura, Masahiro; and Bowen, H. Kent
Electrical breakdown strength of alumina at high temperatures. 60-04317A
- Yoshimura, Tadashi See Fujimoto, Shoichiro; Furumi, Koichi
- Yoshimura, Tetsuo; Kiyota, Kohei; and Ueda, Hiroo
Influence of illumination on the surface potential of ZnO -adsorbing p-type dye and n-type dye. 60-04020A
- Yoshinaga, T. See Hattori, M.
- Yoshino, Shigeo; Hayase, Masahiro; and Sugimoto, Hiroyuki
Result of calca brick used in an AOD (Ar-O degassing) vessel. 60-05118A

- Yoshio, Tetsuo See Takahashi, Katsuaki
 Yoshioka, Ryuzo See Sasaki, Tadao
 Yoshioka, Takahiro See Suzuki, Hideto
 Yoshitomi, Joki See Furumi, Koichi
 Yoshiura, Masahiko See Iriyama, Keiji
 Yoshiyagawa, M. See Clemens, Kevin
 Yoshiyagawa, M.; Kaito, Yoshikazu; and Ikuma, Toshiro
 Optical transmission properties of low-loss large numerical aperture glass fibers made by the double crucible technique. 60-01118A
 Yost, Gerald H. See Chirino, Agustín M.
 Young, Peter L. See Borrelli, Nicholas F.
 Young, Rodney L. D. See Wright, Donald C.
 Youngblood, Gerald E.; and Gordon, Ronald S.
 Texture-conductivity relations in polycrystalline lithium-stabilized β -alumina. 60-03226A
 Younger, Peter R.
 Hermetic glass sealing by electrostatic bonding. 60-00176A
 Yu, C. J. See Wirtz, G. P.
 Yu, Li-ying
 Determination of silicon in minerals by silicomolybdate blue spectrophotometry. 60-01662A
 Yu, Ruy J.
 Thermistor with more stable beta [predetermined temperature coefficient of electrical resistance]. 60-01636P
 Yuan, Mei-qi See Tang, Ming-shu
 Yudovich, B. E. See Vilasova, M. T.
 Yuh, Shang Jung; and Rockett, Thomas J.
 System $\text{CaO-Al}_2\text{O}_3\text{-P}_2\text{O}_5\text{-H}_2\text{O}$ at 200°C. 60-04570A
 Yuhua, Donald E.; and Kessler, Lawrence W.
 SLAM the door on material failure from internal flaws. 60-02854A
 Yursko, George, Jr.
 Metallo-thermic powder. 60-00971P
 Yurchenko, G. R.; Serpinski, V. V.; and Murdman, K. O.
 Procedural aspects of adsorption studies of silica surfaces. 60-05681A
 Yusefovski, Israel A. See Karklit, Alexander
 Yuskevich, Yu. G. See Zinovik, M. A.
 Yutina, A. S.; Turchinova, L. N.; and Anisimova, T. A.
 Charge for producing high-alumina refractories. 60-05157P
 Yvon, Klaus; Ballif, Remy; and Flueckiger, Rene
 Positional disorder and nonstoichiometry in $\text{Cu}_x\text{Mo}_x\text{S}_2$ compounds: II. Triclinic low-temperature structure of $\text{Cu}_{0.8}\text{Mo}_{0.8}\text{S}_2$. 60-04396A
 Zabeivorota, N. S.; Lykasov, A. A.; and Mikhailov, G. G.
 Free energy of formation of FeAl_2O_4 at 1373–1780 K. 60-05615A
 Zabolotnaya, O. S. See Khalakhor, T. K.
 Zabolotski, Yu. R. See Koshin, V. M.
 Zagar, Ludvik; Hoefgen, Dietmar H.; and Jordan, Helmut F.
 Investigation of the nature of glass surfaces by a sorption technique. 60-04777A
 Zagorodnikh, A. V. See Mostinski, I. L.
 Zagorski, V. T. See Semchenko, G. D.
 Zagurski, M. T. See Kovner, M. I.
 Zahalka, Pavel
 Automatic control of electric melting in a glass tank. 60-04669A
 Zainulin, Yu. G.; Alyamovskii, S. I.; and Shveikin, G. P.
 Science of imaginary compounds. 60-01968A
 Zainullin, L. A. See Sharonov, Mikhail A.
 Zaitsev, S. M.; Zhavoronko, G. P.; and Kupriyanov, M. F.
 X-ray structural investigations of $\text{Pb}_2\text{Nb}_2\text{YbO}_6$. 60-02014A
 Zaitsev, V. N.; Morozov, E. M.; and Andrianov, E. G.
 Effect of γ radiation on piezoceramic materials plasticized with polymers. 60-05272A
 Zaitseva, L. V.; Nulkina, N. M.; and Mosienko, N. I.
 Use of phthalic anhydride production wastes as thinning agent in the production of cement slurry. 60-04578A
 Zak, Michael; and Weinberg, Michael C.
 Multibubble dissolution in glassmelts. 60-00221A
 Zakharenko, N. I.; Gor'kaya, Z. I.; and Sycheva, M. I.
 Glass [with Pr_2O_3 , La_2O_3 , Fe_2O_3 , and CaO added for increased heat resistance]. 60-01236P
 Zakharenkov, V. K.; Ganskau, N. Ya.; and Kozlova, R. A.
 Industrial testing of periclase-spinel refractories with increased thermal stability. 60-01362A
 Zakharov, A. A.; and Kazantsev, V. V.
 Surface morphology of GaAs during etching with aqueous vapors. 60-04438A
 Zakharov, N. D.; Khadzhii, I. P.; and Rozhanskii, V. N.
 High-resolution electron-microscopic study of the structure-composition inhomogeneities in 3-layer ribbon-chain silicates. 60-05623A
 Zakharov, R. G. See Gorbanov, R. F.
 Zakharov, V. K. See Dotsenko, A. V.
 Zakharova, B. S. See Filatova, T. G.
 Zakovryashin, S. P. See Vesnin, Yu. I.
 Zama, Takashi See Takeuchi, Koji
 Zambon, A. See Locardi, B.
 Zamfir, Elena See Bratescu, G. G.
 Zampieri, R. See Bendanti, F.
 Zandonadi, Alexandre R. See Solano, Leila
 Zanghi, M. A.
 Use of wad mills in materials handling. 60-01655A
 Zanker, Adam
 Calculate grinding work with two-step nomograph. 60-04128A
 Zanoatto, Edgar Dutra; and Craievich, Aldo F.
 Role of amorphous phase separation in crystal nucleation in sputter cooled $\text{Li}_2\text{O-SiO}_2$ glasses. 60-03660A
 Zapadnaia, T. E.; Petrov, V. A.; and Sokolov, V. V.
 Emissivity of stoichiometric hafnium carbide at high temperatures. 60-03080A
 Zaplatynsky, Isidor
 Comparative evaluation of insulating properties of plasma-sprayed ceramic coatings. 60-00701A
 Zapol'skii, S. V. See Tolochkova, M. G.
 Zapravina, A.; Trendelov, D.; and Mehmedjiev, D.
 Toroidal microporous silica gel. 60-01718A
 Zarichnyi, Yu. P. See Volkov, D. P.
 Zarubinski, O. G.; Dmitruk, B. D.; and Orel, V. P.
 Interaction of alkali metal silicates with barium chloride. 60-05634A
 Zarzycki, Jerry See Bandyopadhyay, A. K.; Jabra, Rafi; Phalippou, Jean
 Zasykina, G. A. See Obidina, S. P.
 Zatz, T. J.; Tobin, A.; and Wittko, J.
 Evaluation of brazing techniques for fabricating large ceramic ring assemblies as neutral beam and vacuum pump insulators. 60-04110A
 Zaupa, Francesco See Da Deppo, Luigi
 Zavorotai, A. S.
 Glass solder for joining high-alumina ceramics to Fe-Ni alloys. 60-04946P
 Zebroski, Edwin L. See Levenson, Milton
 Zebrowski, Gerald R.
 Insulating hot topping material. 60-00460P
 Zecchin, Luigi
 Glass furnaces in Murano in 1446–1447. 60-00011A; Glass wares [recorded] in 15th century Venetian documents (A.D. 1405–1456). 60-00012A
 Zeder, Horst; and Poeze, L.
 Marking refractories with nonradioactive tracers to determine the origin of exogenous inclusions in steel. 60-03894A
 Zeig, K. See Schramm, R.
 Zeiger, H. J. See Fan, John C. C.
 Zelger, C. P.
 Tests on the behavior of the compression zone of reinforced masonry. 60-03856A
 Zelinski, V. Yu. See Vereshchagin, V. I.
 Zel'manovich, Ya. I. See Reznitskii, L. A.
 Zemel, Jay N. See Rahmani, Hamid
 Zepfer, Karl H.
 European environmental [legislation] impact experience on lime and cement plants. 60-00027A
 Zettel, Martin See Laux, Walter
 Zhabrev, V. A.; Moiseev, V. V.; and Milovanov, A. P.
 Temperature dependence of interdiffusion coefficients of alkaline ions in glass. 60-01183A
 Zhalilov, A. See Ismailov, A. Kh.
 Zhang, Gan-cheng; Chen, Xu-xian; and Wu, Dao-huai
 Photoinduced changes of optical properties and holographic parameters in noncrystalline As_2S_3 . 60-02683A
 Zhang, Guan-lin See Cheng, Ji-jian
 Zhang, Shou-du See Deng, Pei-zhen
 Zharikov, E. V. See Ashurov, M. Kh.
 Zharko, V. I. See Vilasova, M. T.
 Zharov, E. F.
 Effect of ash and surface-active reagents on the properties of ash-based cement. 60-04524A; See also Ved, E. I.
 Zhavoronko, G. P. See Kupriyanov, M. F.; Zaitsev, S. M.; Zhavoronkov, N. M.; Boldyrev, A. S.; and Kogan, N. P.
 Theoretical basis for the use of new types of raw materials in the cement industry. 60-04571A
 Zhdanov, S. P.
 Leaching of alkali silicate glasses and coordination of the cations. 60-03584A; See also Baki-Borodov, E. L.
 Zhdanova, T. A. See Maksimov, B. A.
 Zheldueva, S. I. See Semiletov, S. A.
 Zhestkov, V. F. See Bogdanov, Ya. S.
 Zhidovinova, S. V. See Burmakin, E. I.
 Zhyreva, I. A.; Kolobkov, V. P.; and Lunter, S. G.
 Quenching of rare-earth ion luminescence in protonated and deuterated phosphate glasses. 60-00251A
 Zhou, Xue-qin See Luo, Jie-yao
 Zhuang, Zhi-xia See Yao, Lu-ping
 Zhukov, S. G. See Smirnov, E. P.
 Zhukov, V. P.; Gubanov, V. A.; and Ivanovskii, A. L.
 Evaluation of the energy of chemical bonding in TiC , TiN , VC , and VN based on results of the Mulliken-Wolfsberg-Helmholtz computation. 60-01897A
 Zhukov, V. P.; Gubanov, V. A.; and Weber, J.
 Electronic structure and chemical bonds in the carbides and nitride of U investigated by $\text{X}\alpha\text{SW}$ [scattered wave] and $\text{X}\alpha\text{DV}$ [discrete-variational] methods. 60-03077A
 Zhukov, V. P.; Ivanovskii, A. L.; and Gubanov, V. A.
 X_2 -cluster calculations of the electronic structures of carbides and nitrides of hafnium and tantalum. 60-02013A
 Zhukova, I. A. See Chekhovskoi, V. Ya.
 Zhukova, Z. D. See Pitak, N. V.
 Zhukovskaya, E. Yu. See Semchenko, G. D.
 Zhukovskaya, O. V.; and Khlitov, V. N.
 Ir reflection spectra analysis of Li-Al-Si glass-ceramics. 60-03571A
 Zhukovskii, V. I. See Bois, G. V.
 Ziegenbalg, Siegfried; Hanzke, Gerhard; and Geller, Gunter
 Process for the production of pure aluminum oxide. 60-02926P
 Ziegler, Guenter; Benisen, L. D.; and Hasselmann, D. P.
 H.
 Orientation effects on the thermal diffusivity of hot-pressed silicon nitride. 60-03143A
 Ziegler, Guenter; and Hasselmann, D. P. H.
 Effect of phase composition and microstructure on the thermal diffusivity of silicon nitride. 60-04311A
 Ziegler, Renate; and Störke, Barbara
 Preparation of ceramic materials [by polishing] as a function of load and speed of rotation. 60-01678A
 Zimmels, Y. See Lin, I. J.
 Zimmerman, D. W. See Singhvi, A. K.
 Zimmerman, Franz X. See Smith, Charles W., Jr.
 Zimmermann, H. See Niffka, Heinrich
 Zinievich, V. G.; and Stashevich, V. A.
 Composition of decorative coatings for earthenwares. 60-05238P
 Zinovik, M. A.; and Yuskevich, Yu. G.
 Electric and magnetic properties of solid solutions in the system $\text{Cu}_x\text{Mn}_{1-x}\text{O}$, $\text{Cu}_x\text{Fe}_{1-x}\text{O}$. 60-05610A
 Zlomek, J. S. See Thorn, Robert J.
 Zisselman, R.
 Cooling of cement in the air separator or in the cement cooler? 60-02089A; Principles of calculating direct and indirect separator cooling effect in closed-circuit cement grinding plants. 60-02179A
 Zivanovic, Branislav M.; and Janjic, O. G.
 Cold forming of heavy clay products by the double-layer technique. 60-02466A
 Zlomanov, V. P. See Novoselova, A. V.
 Zutlick, Jiri
 Determination of gases in bubbles in glass by a chromatographic method. 60-04699A
 Zmiatov, Z. See Hadjiev, P.
 Zoblina, L. D. See Semchenko, G. D.
 Zoebauer, Michael
 New industrial device for photometric determination of nitrogen oxide by resonance absorption. 60-05436A
 Zoenchen, Werner; Strienitz, Rolf; and Hahn, Hans-Joachim
 Examination of system $\text{CaO-SiO}_2\text{-NaOH-H}_2\text{O}$ at hydrothermal pressure-free conditions: I. Variation of material parameters of initial components and their influence on phase formation. 60-04534A
 Zoglmeier, Guenther
 Development of magnesite-carbon bricks and first experiences with their use in the BOF. 60-00407A
 Zolnierczyk, Witold See Kapuscinski, Tadeusz
 Zook, J. David
 Cold substrate growth technique for silicon-on-ceramic. 60-02730P; See also Heaps, Joseph Don
 Zope, B. D.; and Rao, S. V. K.
 Influence of additions on the fusion of magnesia and sintering behavior. 60-05089A
 Zos, E. I.; Karaulov, A. G.; and Rodyak, I. N.
 Properties of solid solutions in the system MgO-ZrO_2 . 60-05684A
 Zos, E. I.; Malets, E. B.; and Karyakina, E. L.
 Structure and properties of Mg_2HfO_4 . 60-01984A
 Zozulya, P. V. See Olesova, T. N.
 Zschauer, Karl-Heinz See Splitterger, Heinz
 Zschembry, Laszlo See Matyszi, Jozsef
 Zsolnai, L. M.
 Improving the safety of large vitrified grinding wheels. 60-00874A
 Zubik, M. I. See Tokar, V. A.
 Zucker, J. See Lee, Johnson
 Zulf'ugarov, Z. G. See Ismailov, E. G.
 Zushke, Juergen See Maier, Peter
 Zveigorodskaya, A. N. See Urusovskaya, L. N.
 Zvonkov, B. N. See Danilov, V. I.
 Zvyorkina, E. K. See Proskuryakova, L. M.
 Zwissler, James B. See Pabst, Reiner F.
 Zytkevich, D. P.; Kosolapova, T. Ya.; and Makarenko, G. N.
 Products of the reaction between aluminum and nitrogen in a low-temperature plasma. 60-01779A
 Zykova, T. A. See Ershova, T. T.
 Zymboly, Gregory E. See Cleary, James G.
 Zyuzeva, N. A. See Bobylev, I. B.

SUBJECT INDEX TO CERAMIC ABSTRACTS FOR 1981

Cross references are included with the main headings. The abstract number appears at the end of each citation. The letters A, B, or P following the abstract number indicate an abstract of (A) a periodical, (B) a book, bulletin, or separate publication, or (P) a patent. Abstracts are numbered continuously through an entire volume. Subject entries are not in strict alphabetical order. Entries were computer sorted and numbers and capital letters appear before lower case letters.

Abrading apparatus. See *Grinding apparatus.***Abrasion,**

resistant materials, phosphate-bonded fused Al_2O_3 . 60-00875A

Abrasives. See also *Carbides; Diamonds; Grinding apparatus; Polishing apparatus; Silicon, carbide.*

60-00877P; 60-02041P; 60-02042P; 60-03000P
 SiC , Al_2O_3 coated. 60-02044P
 Synroc, impact behavior. 60-04485A
 ZrO_2 , in chilled-cast Al_2O_3 - ZrO_2 . 60-00005A
 ZrO_2 -based, polishing composition. 60-04494P
 aggregates, sintered metal-diamond, method of making. 60-02050P
 amorphous, new cutting material from De Beers. 60-00001A
 brittle solids, wear. 60-00871A
 carbide diamond, family of resinoid bond grits, factors affecting performance. 60-00873A
 charge for. 60-01502P
 coatings, wear-resistant. 60-00876A
 compacts, and conglomerates, diamond and cubic BN. 60-00006P
 method of making. 60-00880P
 temp. resistant. 60-00008P
 crystals, Mn-Zn ferrite, friction and wear. 60-03299A
 diamond, Syndite, mechanical and physical properties. 60-00004A
 Syndite, tools for truing and dressing. 60-00003A
 aggregate for resin-bonded uses. 60-02046P
 for grinding disks. 60-00002A
 synthetic, for high-quality finishes. 60-03301A
 ultrasharp, making and irradiating. 60-04493P
 grains, Al_2O_3 , containing reduced TiO_2 . 60-04491P
 method for improving quality. 60-04492P
 granular, Al_2O_3 , method of making. 60-02043P
 grinding bodies, calculation of matrix recipe. 60-04484A
 grits, diamond. 60-04490P
 industrial, materials and compositions. 60-04477B
 particles, BN. 60-00879P
 SiC , sliding friction. 60-03300A
 powders, for glass polishing. 60-00007P
 micro-, Ti, Nb, W carbide, topography of Nb, W surfaces machined with. 60-00872A
 resin bonded, for snagging metal. 60-02051P
 seals, stress relieved metal/ceramic, deformation process for making. 60-02045P
 segments, mold for mfg. 60-04138P
 sheets, substrate for, with thermoplastic binder coating. 60-00881P

Absorption. See also *Sorption.*

Cr(VI), in Na borate and Na silicate glasses, line shape of. 60-04791A
 of Fe, in alkaline earth aluminosilicate glasses. 60-00232A
 X-ray, fine structure for Mn oxides. 60-03188A
 study of Fe-rich mica. 60-03247A
 atomic, determination of Sb in environmental samples by. 60-01661A
 edge, in SbSI , electric field effect. 60-01887A
 exciton, by CuCl crystals, in glass-forming matrix. 60-04742A
 fundamental, of quartz glass. 60-04748A
 in NiO microcrystals. 60-03108A
 -OH, surface and bulk, in ZrF_4 - and HfF_4 -based glasses. 60-02342A
 in Se-Ge glasses. 60-03505A
 bulk and impurity, in $0.5\text{As}_2\text{S}_3$ - 0.5GeS_2 glass. 60-00113A
 of chlorophosphate glasses. 60-01062A
 edge, in ZrF_4 - and HfF_4 -based glasses, composition dependence. 60-03456A
 of hydrogenated amorphous Si-C and Ge-C films. 60-02657A
 study of glasses in system $\text{PbO-SiO}_2\text{-GeO}_2$. 60-01073A
 loss, water, in multimode fibers, relation to dispersion. 60-03565A
 of moisture, by polyester-E glass composites. 60-02962A
 optical, of Au in borate glasses. 60-04863A
 of SrO . 60-03138A

in Ti-rich ternary glasses. 60-04814A
 of alkali borate glasses containing Nd. 60-01113A
 edge of SiO_2 . 60-03139A
 extremely low, method for measuring. 60-01672A
 near ir, of Fe(II) in Na borosilicate glasses. 60-03617A
 and paramagnetic, in electron-irradiated K-Ba silicate glasses. 60-04816A
 radiation-induced, in fiber waveguides. 60-00252A
 in silicate glasses, due to ferric iron. 60-00231A
 uv, of FeO , glasses, effect of OH. 60-01021A
 photoacoustic, measurements of optical materials and films. 60-05286A
 photoinduced, in Ag halide photochromic glasses, factors controlling. 60-01087A
 resonance, device for photometric determination of N oxide by. 60-05436A
 spectra, of Ti-Nd glasses. 60-04868A
 spectral, of optical quartz glasses, relation to temp. 60-02300A
 of water, on SiO_2 . 60-03026A
Acids. See also specific types.
 H_2SO_4 , solubility of Fe_2O_3 and ZnO refractory mixture in. 60-01370A
 H_3PO_4 , corrosion of Ca aluminosilicate glass by. 60-00114A
 resistance of solid materials to. 60-02941A
 HCl, leaching of Li silicate glasses and glass-ceramics by. 60-01078A
 enamels resistant to. 60-00960P
 organic, effect on E-glass fabric. 60-04720A
 structural clay products resistant to. 60-01325P
 sulfanilic, effect on portland cement. 60-00910A
 tannic, effect on cement. 60-00911A

Acoustics. See also *Insulation, acoustical; Sound.*

and development of defects, relation between. 60-04414A
 resonators, SAW, ZnO on Si. 60-02723A
 surface wave characteristics, of fersnoite crystals. 60-03210A
 surface wave device, piezoelectric substrate with ZnO layer on $\alpha\text{-Al}_2\text{O}_3$ layer. 60-01633P
 testing, for fracture toughness of ceramics. 60-01665A
 ultrasound, propagation in concentrated mixtures and suspensions. 60-01679A
 vibro-, use in classification of minerals. 60-04164A

Activation,

of CaO , as sorbent. 60-00678P
 of clays, by compaction. 60-01720P
 energy, free, of rare earth complexes of kaolinite. 60-00826A

Additives,

Ag and Cu, modification of spectral properties of glasses by. 60-00218A
 Al_2O_3 , ZrO_2 , or TiO_2 , effect on fusion of MgO . 60-05089A
 Ba-containing, use to improve quality of cements based on high alkaline materials. 60-04575A
 Ca aluminate, for increasing strength of cements. 60-04583P
 CaF_2 , CaCl_2 , and CaSO_4 , effect on clinker structure and cement properties. 60-00022A
 CeO_2 , MgO , and Y_2O_3 , effect on sinterability of milled Si_3N_4 . 60-04304A
 Cu and Cd, aluminophosphate glasses containing, EPR study. 60-04712A
 in Mg_2SiO_4 , effect on formation, recrystallization, and sintering. 60-05599A
 MgO , R_2O , SO_2 , MnO , and BaO , effect on production of cement clinkers. 60-00023A
 Mn-containing, use in production of portland cement. 60-04529A
 MnO_2 and Cr_2O_3 , effect on sintering of PZT solid solutions. 60-04041A
 Na_2SO_4 and NaHSO_4 , effect on mineral formation and properties of cement clinkers. 60-00026A
 Sn, effect on crystallization of glasses in system $\text{Li}_2\text{O-Al}_2\text{O}_3\text{-SiO}_2\text{-TiO}_2$. 60-01028A
 ZrO_2 , effect on sintering, structure, and properties of aluminosilicate refractories. 60-05071A
 stabilized refractories, effect on decomposition. 60-00412A

ZrO_2 , HfO_2 , and MgO , effect on sintering, phase composition, and structure of Al-Y garnet. 60-00785A
 alkali, behavior of periclase refractories in gas flow with. 60-01331A
 for binders, inorganic. 60-04582P
 in cements, blended, spectrometric determination. 60-00046A
 silicate. 60-00053P
 ceramic, effect on recrystallization of MoSi_2 . 60-04306A
 compositions, for dental materials. 60-00492P
 for concrete and mortar, air-entrained. 60-02198P
 in concretes, hardened, detection. 60-02098A
 crystalline, for Mg aluminosilicates. 60-00742P
 elements, variable-valence, modification of rutile phase in glass-ceramics. 60-00217A
 foaming, in waste glass powders, reaction in preparation of lightweight materials. 60-01146A
 for glass, garnet, blue, and rose colors. 60-04931P
 in glasses, pyroxene, effect on crystallization. 60-04721A
 inorganic and organic, plaster cements with. 60-03374A
 introduction, during synthesis of Na beta- Al_2O_3 . 60-05653A
 kaolin, Ca carbonate containing. 60-04193P
 for plaster, dehumidifying. 60-00052P
 polymer, effect on hardening and other properties of cements in corrosive medium. 60-04528A
 water-reducing, use in steam-cured cement-fly ash concretes. 60-04512A
Adherence. See *Enamels.*

Adhesion,

of Ti carbides, sputtered. 60-01729A
 of ceramics, method for. 60-05323P
 of enamels. 60-00081A
 porcelain, to steel, effect of pretreatment. 60-04606A
 two-coat/one-fire powder, analysis. 60-04595A
 of films, optimization. 60-04035A
 mechanism, between metal films and crystalline ceramics. 60-05258A
 of metals, to SiO_2 glass, ESCA study. 60-03480A
 tangential, between concrete and heavy clay items. 60-02860A

Adhesives,

cement, hydraulic. 60-00059P
 conductive, refractory, method of making. 60-01594P

Adsorption. See also *Diffusion; Sorption.*

of CO_2 , on synthetic zeolite and cation-exchange behavior with Zr nitrate-pentahydrate. 60-05499A
 of binary mixtures, polar and nonpolar, on Glukhovets kaolinite. 60-04272A
 of carbonate ions, by hexagonal BaTiO_3 . 60-04364A
 of methylene blue, on bentonite. 60-05654A
 moisture, and specific surface area. 60-01674A
 tests, of SiO_2 surfaces, procedural aspects. 60-05681A

Agglomerates,

of clays, process for preparing. 60-00689P
 feeding apparatus for, in glassmelting furnace. 60-04926P
 moist, method for making cement clinkers from. 60-02210P

Agglomeration,

in glass industry. 60-03430A

Aggregates,

abrasive, sintered metal-diamond, method of making. 60-02050P
 grog-based, gunning compositions containing Al_2O_3 . 60-00431A
 kiln for, rotary. 60-02898P
 lightweight, bottom ash. 60-03339A
 in high-strength concrete. 60-02146A
 importance of chemical composition and porosity. 60-04554A
 method of making. 60-02208P
 periclase, bulk density determination by water method. 60-03869A
 refractory, production by nonfiring methods. 60-00438A

Aging,

in composites, SAP-type (Al-Mg-Si) Al_2O_3 . 60-04201A

Air,

entraining mortars, method of making. 60-03390P
Air pollution. See *Pollution, air.*

- whiteware, Pb-free glaze for. 60-03989P
- Amphibolites**, cleavage fragments, surface charge heterogeneity. 60-03211A
- dissolution, during weathering. 60-03062A
- Analime**, synthesis of, from domestic bentonite. 60-05716A
- Analysis**. See also *Chromatography*; *Colorimetry*; *Electron diffraction*; *Microscopy*; *Particulates*; *Photometry*; *Quality control*; *Screens & sieves*; *Spectroscopy*; *Spectrometry*; *Spectrophotometry*; *Spectroscopy*; *Testing*; *Thermal analysis*; *Thermodynamics*; *Thermogravimetry*; *Titration*; *X rays*.
- of Ca, Mg, and Mn, in blast furnace slags. 60-05451A
- Cr³⁺ luminescence, of crystallization kinetics of roller quenched LiNbO₃ glasses. 60-04697A
- of Cr₂O₃ content, in chromite ores, Cr-containing bodies, and glazes. 60-04155A
- DTA, of Amazonian archeological pottery. 60-03311A
- of Ca(OH)₂ in cementitious phases. 60-03348A
- of crystallization of glasses. 60-01074A
- of heat of reaction in cement kilns. 60-02872A
- of hydration of portland cement. 60-00031A
- of melting behavior and metastability of YAG and YAlO₃. 60-00510A
- of nucleation in glass. 60-03622A
- study of crystallization of anorthite glasses. 60-02258A
- DTA-electrical conductivity, concurrent, apparatus for. 60-00630A
- EPR, of aluminophosphate glasses containing Cu and Cd additives. 60-04712A
- ESCA, of Ni ions in vitreous silicate. 60-03433A
- Moessbauer, of Fe cations in Pb borate glasses. 60-04806A
- of fraction of nonbridging O in K borate glasses. 60-01104A
- of glasses and crystals in system Na₂O-Fe₂O₃-SiO₂. 60-01103A
- of high-temp. reactions of Fe oxides with C₂H₄. 60-00922A
- NMR, of Li borate glasses. 60-00222A
- Raman, of As-containing K silicate glasses. 60-04841A
- SEM, of bulk crystallization in Li₂O-SiO₂. 60-04855A
- X-ray, of ceramic materials, automatic loss correction. 60-05423A
- of cristobalite in quartz glass. 60-01142A
- of secondary mullite. 60-05233A
- of transformation depths in ceramics containing tetragonal ZrO₂. 60-04466A
- X-ray and Moessbauer, of Ba₂FeTa₂O₈ and Sr₂FeTa₂O₈. 60-03248A
- X-ray scattering, of crystallization kinetics of Li₂O-SiO₂ glasses. 60-04696A
- XRD, of MgAlPO₄. 60-05742A
- of Na₂O-Ag₂O-B₂O₃. 60-00300A
- of Na₂O-GeO₂ glasses. 60-04909A
- of anharmonic temp. factors of ZnSe. 60-05556A
- of chrysotile asbestos, role of kaolinite interference. 60-04359A
- of crystal structure of BaTiO₃. 60-02864A
- of glasses in system K₂O-SiO₂-GeO₂ and Cs₂O-SiO₂-GeO₂. 60-03718A
- of high-density K-W bronze. 60-05741A
- of reduction products of natural Ca phosphates. 60-04381A
- of structure of vitreous Sb₂O₃. 60-03719A
- activation, charged particle. 60-02831A
- of adherence, of two-coat/one-fire powder enamel system. 60-04595A
- atomic absorption, of Sb in environmental samples. 60-01661A
- backscattering, of successive layers of Ti silicides. 60-01847A
- of ceramic materials, by ion-mass spectrometry. 60-02841A
- chemical, use of B-containing glasses for. 60-04673A
- of vitreous enamels. 60-02223A
- of coatings and films, using energetic ions. 60-01658A
- complexometric, of silicate glasses containing rare earths. 60-04690A
- of composites, metal matrix, information center, considerations for. 60-00702A
- of coupling, laser diode to LiNbO₃ waveguide. 60-02241A
- of crystal neutron-diffraction data, on UO₂. 60-02808A
- of crystalline structures, for SiO₂ and Al₂O₃. 60-03200A
- of crystals, arising at working end of glassmelting furnaces. 60-04663A
- design, of automotive exhaust gas sensor. 60-00705A
- diffraction, of metallic, semiconducting, and inorganic glasses. 60-01014A
- powder, of three-component sample. 60-02849A
- of structure of inorganic glasses. 60-01100A
- electron diffraction and microscopy, of grain-boundary structure. 60-04322A
- electron microprobe, of attack of basic slags on dolomite/magnesite bricks. 60-05076A
- of glaze/glass-ceramic interface reactions. 60-01032A
- electron microscopy, of cement pastes. 60-03337A
- of cement pastes—comment. 60-03335A
- of cement pastes—reply. 60-03336A
- of effect of Fe in reaction-sintered Si₃N₄. 60-04323A
- and ir, of Egyptian clays. 60-05611A
- of structure-composition inhomogeneities in ribbon-chain silicates. 60-05623A
- electronic, of corrosion of glasses, by treatment of digitalized X-ray images. 60-01107A
- elemental, in glasses, application of STEM to. 60-00979A
- ellipsometric, of electrooptic and electrostrictive effects in W oxide films. 60-02638A
- factorial, of effect of preparation on physical properties of piezoelectrics. 60-05261A
- finite element, of three-point bend specimen. 60-02009A
- of flaws, in high strength C fibers. 60-01730A
- fluorescence, of Turkish clays and pottery. 60-00903A
- X-ray, of Mn-Zn ferrites, application of copex to. 60-02608A
- X-ray, of siliceous, silico-aluminous, and high-Al₂O₃ refractories. 60-05142A
- fluorescence and spectroscopy, of Si-O bonding in Na₂O-TiO₂-SiO₂ and K₂O-TiO₂-SiO₂ glasses. 60-01155A
- fracture kinetics, nonsteady state, theory. 60-02000A; 60-02001A
- gamma ray, of K, U, and Th, for dose-rate estimation in thermoluminescence dating. 60-03313A
- of glass batch preheating. 60-00976A
- grain boundary, of MgO-doped Al₂O₃. 60-04336A
- in ceramic materials. 60-00796A
- grain growth, during liquid phase sintering, application of numerical method for. 60-03034A
- ion beam, of diffusion in TiC film on WC. 60-01541A
- ir, of crystallization in Na disilicate glasses containing Fe oxides. 60-01065A
- isotopic-spectral, of C in SiO₂. 60-05432A
- kinetic, of continuous pan granulation. 60-05412A
- linear, improvements in determination of particle size distribution from. 60-00636A
- mass and charge. 60-04152A
- of materials, instruments for. 60-05755B
- micro-, quantitative electron-probe, appraisal of correction procedures. 60-02834A
- microscopic, of porcelain glazing. 60-05218A
- microstructural, of irradiated mixed-oxide fuels subjected to thermal transients. 60-05376A
- mineralogical, of unfired brick clays. 60-01313A
- of nonconductor products, combining flameless atomization and atomic absorption with plasma torch. 60-04143A
- of nucleation rates, steady state crystal, in glasses. 60-04664A; 60-04665A
- optical and ESR, of borate glasses containing transition metal oxides. 60-02322A
- optical structural, of low-toxicity pigments. 60-02593A
- of oxides, surface, by Raman spectroscopy. 60-03042A
- particle size, by pressure measurement in suspension. 60-05437A
- petrographic, of ceramics from Tepe Yahya, Iran. 60-03326A
- phase, of TiO₂ and Fe₂O₃ in elutriated Kibushi and Gairome clays. 60-05220A
- photoacoustic, of water in hydrated cement pastes. 60-03372A
- photoemission, angle-resolved, of TiC(111) and TiC(100). 60-05555A
- uv, of rutile. 60-03242A
- photometric, of Fe in refractories. 60-05101A
- physicochemical, of coordination states in glass. 60-03461A
- of setting of acid-resistant compositions based on K water glass. 60-02329A
- of pottery, Hellenistic and Roman from Benghazi. 60-02053A
- proof-test, in sintered alpha SiC. 60-00723A
- quantitative, of cristobalite. 60-04404A
- of energy performance in glassmelts. 60-00127A
- of reactor graphite, by laser spectroscopy. 60-01640A
- radiometric, of equilibrium constant of alkali ion exchange between glass and molten salt. 60-04698A
- of reactions, solid-solid. 60-01844A
- of refractories, for Ca, Mg, and Al₂O₃. 60-03904A
- segmentation, of ring formation. 60-04568A
- of semiconductor packages, for trace U. 60-05420A
- sensitivity, of optical waveguides. 60-04040A
- series-chemical, for quantitative control of raw materials and glasses. 60-05447A
- sorption, of glass surfaces. 60-04777A
- spectra, ir reflection, of Li-Al-Si glass-ceramics. 60-03571A
- spectral-generation, of metaphosphate glasses with high-Nd³⁺ content. 60-04870A
- spectrographic, emission, of B in silicates. 60-05430A
- spectrometric, of B, Ge, P, and Si in optical waveguide glass. 60-00131A
- of additions in blended cements. 60-00046A
- atomic absorption and emission flame, use in glass industry. 60-04668A
- local in-depth, of oxide glasses. 60-04793A
- spectrophotometric, silicomolybdate blue, of Si in minerals. 60-01662A
- spectroscopic, of excited states in Y orthovanadate. 60-04328A
- ir, of structure of glasses in system SrO-BaO-Al₂O₃-TiO₂-SiO₂. 60-04781A
- of ligation in glasses of system Na₂O-B₂O₃-SiO₂. 60-04887A
- standard solutions, reducing error in preparation of, by choice of volumetric glassware. 60-02845A
- statistical, of dielectric strength of BaTiO₃ films. 60-00521A
- of fraction of B tetrahedrally bonded in alkali borates. 60-04873A
- stress, of seal in Na-S batteries. 60-02711A
- structural, of alpha-Al₂O₃. 60-05705A
- of glasses in system MgO-B₂O₃. 60-04701A
- of glasses, from gas transport studies. 60-01131A
- of reaction-sintered Si₃N₄. 60-04203A
- of silicate glasses. 60-00190A
- surface, tools for. 60-02858A
- surface cord, of glasses. 60-02343A
- of tests, Pfefferkorn impact. 60-02828A; 60-05421A
- thermal, of BeO, MgO, and CaO, heated on W. 60-02002A
- of ZrO₂ gels. 60-04450A
- of maturing nature of porcelain glazes. 60-05230A
- thermal stress resistance, of brittle plate subjected to asymmetric radiation. 60-03030A; 60-03031A
- thermo-, of coprecipitated hydroxides and carbonates of Y and Fe³⁺. 60-04046A
- using derivatograph. 60-00642A
- thermogravimetric, of charges in system SiO₂-TiO₂-Al₂O₃-MgO-CaO. 60-05729A
- modified differential, of minerals. 60-02846A
- thermogravimetric and gas-chromatographic, of decomposition of glass-forming raw materials. 60-01186A
- topographic, X-ray, of domain formation in ferroelectric BaTiO₃. 60-04205A
- real-time X-ray, of viscoelastic behavior of SiO₂ in system Si/SiO₂. 60-05686A
- trace element, of solids, by atomic spectrometry. 60-02836A
- two-parameter distribution, of Moessbauer spectra in glasses. 60-03712A
- ultrasonic, of Na ion diffusion in β/β'-Al₂O₃. 60-04461A
- voltammetric techniques, status of the art. 60-02863A
- Analyses**, elemental, determination of C in carbides by. 60-02835A
- universal, automatic, based on differential thermometry. 60-02830A
- Anions**. See *Ions*.
- Anisotropy**. See also *Crystals*.
- of brittleness, of YAG crystals. 60-05557A
- in diffusivity, thermal, of Si₃N₄-BN composites. 60-05500A
- of expansion, linear, of CdGa₂Se₄. 60-03032A
- of glasses, fibrous Ca metasilicate. 60-02256A
- magnetic, of Eu in Fe garnet. 60-03125A
- optical, in Ag-containing glasses. 60-00989A
- structural, in silicate glass fibers, ESR study. 60-01040A
- Annealing**, of films, In-Sn oxide, effect of ambient atm. 60-02625A
- glass, flat, schedule for. 60-02325A
- hydrogen, of p-channel MNOS transistors, effect on memory characteristics. 60-02655A
- laser, CO₂, reduction of scattering from glass thin-film waveguide by. 60-02334A
- of ion-implanted Si, effect of SiO₂ antireflection coating. 60-02705A
- under oxide layers in Si. 60-02662A
- regrowth of Si on sapphire by. 60-02712A
- use to increase channel mobility in Si on sapphire transistors. 60-02609A
- layers, magnetic, methods for. 60-02775P
- of neutron damage, in graphite irradiated and stored at room temp. 60-04106A
- nonlinear, of glass. 60-02320A
- oxidative, of Al₂O₃-Fe, pore formation during. 60-01954A
- of seals, glass-to-metal. 60-05746B
- studies, of TiC and (Ti,V)C. 60-01731A
- two-step, lifetime improvement of Czochralski-grown Si wafers by. 60-02666A
- Anodes**. See *Electrodes*.
- Anorthite**, with low albite content, PT-IT transition in, X-ray and neutron study. 60-05739A
- pure, PT-IT transition in, X-ray and neutron study. 60-05740A
- Antennas**, for window glass, of automobiles. 60-03723P
- Antiferromagnetism**. See *Ferromagnetism*, anti.
- Antimony**, Sb₂O₃ and Se₂O₃, interaction. 60-04355A
- in binary borate and silicate glasses, oxidation-reduction behavior. 60-00235A
- doping, stabilization of β-Bi₂O₃ by. 60-01981A
- Sb₂Te₃, solid solutions based on, physical properties. 60-03198A
- SbSi, absorption edge, electric field effect. 60-01887A
- antimonides, rare earth, of M₂Sb; composition, thermal expansion. 60-02007A
- determination, in environmental samples, by atomic absorption. 60-01661A
- Apatite**, formation, in system Ca₃(PO₄)₂-H₂O-F⁻. 60-05558A
- hydroxy-, synthetic and bone, formation and structure. 60-03086A
- hydroxyl-, dense, fracture strength. 60-01751A
- sintered, preparation and properties. 60-02967A
- implants, composite, method of making. 60-00741P
- Apparatus**. See *Instruments*; *Machinery and Equipment*; *Testing*; and specific types.
- Aqueous**. See *Colloids*.
- Aragonite**, mined from the sea, for glass industry. 60-04667A
- Archaeology**, ceramics, of first farmers in Serbia, 6000–2500 B.C. 60-04498A
- dating, thermoluminescence. 60-00899A; 60-01684A

- thermoluminescence, gamma ray analysis of K, U, and Th for dose-rate estimation. 60-03313A
- glasses, Roman found in Norway, classification. 60-00894A
- minerals, luminescent, in fine-grain samples. 60-03318A
- pottery, Amazonian, DTA. 60-03311A
- Hueco and Guadalupe Indian, analysis of U content. 60-00902A
- Romano-British, spectrophotometric analysis. 60-02054A
- Architecture,**
- ceramics and glass, in Chicago, 1871 to 1933. 60-03266B
- glass, stained, guide to information sources. 60-00867B
- Armor,**
- materials, ballistic, and penetration mechanics. 60-03259B
- Arsenic,**
- As₂S₃, films, changes of optical properties and holographic parameters. 60-02683A
- As₂S₃, amorphous, electronic structure. 60-03432A
- in glasses, K silicate, Raman study. 60-00257A
- site, in As-containing glasses, symmetry and chemical characteristics. 60-03591A
- Art and artwork.** See also *Archeology; Decoration; Design; Majolica; Porcelain; Pottery; Tile.*
- Chinese. 60-00855B
- Deco ceramics, English. 60-00883A
- Faentine, history of. 60-03317A
- Greentown Glass, by Indiana Tumbler and Goblet Co., 1894-1903. 60-03278B
- International Museum of Ceramics in Faenza, reconstruction of. 60-03328A
- Pisa, depicted in the history of ceramics. 60-02062A; 60-02063A
- Plinian, mfg. 60-04506A
- Royal Doulton, Kovel's price guide. 60-00861B
- Spode's willow pattern, and other designs after the Chinese. 60-00866B
- Zwischenzgoldglas, examination and analysis. 60-03309A
- bibliography on glass, Georgian Soviet Socialist Republic, 1960-1979. 60-03306A
- ceramics, American, 1878-1978, exhibition at Everson Museum of Art, Syracuse, N.Y. 60-03312A
- in East Germany, 1970-1980. 60-04497A
- Iron Age, from Switz. and Ger., composition. 60-00009A
- in Rimini. 60-02056A
- at Sun Valley Center, Idaho. 60-00885A
- from Tepe Yahya, Iran, petrographic and electron microprobe analysis. 60-03326A
- of William DeMorgan. 60-02055A
- ancient, heavy mineral separation by centrifugation. 60-00892A
- of first farmers in Serbia, 6000-2500 B.C. 60-04498A
- by graduates of State Technical School, West Germany. 60-04496A
- hard-fired, contamination during sampling with diamond burrs. 60-02059A
- ceramics and glass, from Chicago, 1871 to 1933. 60-03266B
- clay, cyanotype blueprint on. 60-00888A
- electroformed metals on. 60-00890A
- clay slips, dryer for. 60-00887A
- cone 10, in one hour. 60-00886A
- courses and facilities, available at Syracuse University. 60-00898A
- decanters, collecting. 60-00856B
- drinking vessels, glass, collected by Jerome Strauss. 60-02058A
- faience, from Zittau. 60-04502A
- glass, 7th century Anglo-Saxon, pontil marks and empoining. 60-03329A
- with American views. 60-03315A
- by Boston & Sandwich. 60-02065A
- Murano and Venetian, raw materials in. 60-00018A
- Roman, found in Norway, classification. 60-00894A
- "Wyandotte" pattern, by Ripley & Co. of Pittsburg. 60-02064A
- antique, relation between composition, color, and melting atm. ESR study. 60-04504A
- colored "antique," mfg. 60-03453A
- depression, and American dinnerware, Kovel's price guide. 60-00860B
- engraved, 18th century Russian. 60-03330A
- furnaces, in Murano in 1446-1447. 60-00011A
- masterpieces—world history from Corning Museum of Glass. 60-02032B
- medieval stained, technical analysis. 60-04499A
- stained, guide to information sources. 60-00867B
- glassware, recorded in 15th century Venetian documents. 60-00012A
- glassworks, Albany, from 1790 to 1800. 60-03305A
- glazed, production during 9th-13th centuries, of Tbilisi. 60-03288B
- glazes, ancient, heating behavior of. 60-00891A
- special effects with. 60-00897A
- yellow, for cones 5-10. 60-00904A
- health hazards, proceedings of SOEH Conference. 60-02034B
- ironstone, white. 60-03257B
- jug, majolica. 60-03332A
- produced in Montelupo A.D. 1435. 60-03307A
- kilns, New Zealand oil burner for. 60-00895A
- downdraft, tuning of. 60-00901A
- fiber. 60-00016A
- three-chambered climbing, for pottery. 60-00017A
- woodburning. 60-00015A
- majolica, from Antwerp, acquired from National Museum of Ceramics at Sevres. 60-03319A
- from Giuseppe Finck's shop in Bologna. 60-02067A
- from Turin, A.D. 1615-1630. 60-03320A
- Urbino, in collections of Cosimo I, Cardinal Ferdinand, and Francis I de' Medici. 60-02068A
- devotional, at Municipal Museum of Rimini, 16th century. 60-03310A
- from factory of Fontanas. 60-03321A
- renaissance, in State Ceramic Museum, Sevres. 60-04505A
- museum, at Corning, unrel through time. 60-04500A
- plate, majolica, with religious motif, at Museum of Faenza. 60-03331A
- porcelain, American. 60-02026B
- Chinese, presented by Ferdinand I de Medici to Christian of Saxony. 60-03308A
- Persian variations on Chinese motif. 60-03325A
- pottery, 17th century Durante. 60-02066A
- Hellenistic and Roman from Benghazi, analysis. 60-02053A
- Minoan, XRF-XRD analysis of pigments. 60-00882A
- Nigerian. 60-03324A
- Pueblo, lesson from. 60-00014A
- Qatari, Moessbauer study of origin. 60-00893A
- Romano-British, spectrophotometric analysis. 60-02054A
- Rookwood, Maria L. Nichols' founding of. 60-03322A
- marked Aco- and Sarius-type, at Faenza. 60-03323A
- stoneware, by John H. Sonner, Strasburg, Va. 60-02061A
- pottery and porcelain, decorative, in ancient China. 60-00889A
- protomajolica, of Brindisi. 60-03327A
- Gela-type, with decoration of North African influence. 60-03314A
- sgaffito, Venetian and Paduan Renaissance, chemical, mineralogical, and Moessbauer studies. 60-01660A
- stoneware, of Red Wing, Goodhue Co., Minn. 60-03267B
- Tz'u-chou type, through seven centuries in Northern China. 60-03274B
- for the tabletop. 60-03273B
- tableware, American. 60-03275B
- American, from 1830 to present. 60-03268B
- tenmoku, from Han to Yuan dynasties. 60-04495A
- tiles, Azulejos floor, importation into Naples during reign of Alfonso the Magnanimous. 60-02060A
- Victorian. 60-00870B
- window glass, Gallo-Roman, from France, chemical composition. 60-02057A
- works in enamel. 60-04508A
- Artists,**
- Coper, Hans, in Hetjens Museum. 60-04503A
- DeMorgan, William, ceramic wares of. 60-02055A
- Greek, of Hellespont. 60-03316A
- Muelendyck, Wim. 60-04507A
- Nichols, Maria L., founding of Rookwood Pottery, Cincinnati, Oh. 60-03322A
- pottery, Ngan, Wayne, from Canada. 60-00884A
- training of, in England. 60-00013A
- Asbestos,**
- Ca-silicate-bonded, insulated products. 60-01334A
- cement, apparatus for recycling solid wastes from forming plant. 60-00061P
- colored composite material, mfg. 60-02202P
- composites, shrinkage stress in. 60-00044A
- effect of MgO on clinker phase and properties. 60-04525A
- chrysotile, fibers, method of heat-treating. 60-03933P
- identification by microdiffraction. 60-02838A
- kaolinite interference in XRD determination. 60-04359A
- elimination of, in glass plants. 60-02242A
- free, molding compositions for thermal and electrical insulators. 60-03919P
- substitutes, under the microscope. 60-04468A
- Ash,**
- based cements, effect of ash and surface-active reagents on properties. 60-04524A
- bone, synthetic. 60-05496P
- bottom, lightweight aggregate. 60-03339A
- fly, Indian, research and use in cement mfg. 60-03380A
- from Republika power station, use in cements and concretes. 60-03385A
- SO₂ and autoclave expansion, effect on concrete expansion and compressive strength. 60-03369A
- aluminosilicate particles in, etching study of structure and composition. 60-05431A
- for bricks, role in energy conservation. 60-03848A
- cement based on. 60-03394P
- in cements and concretes, estimating efficiency. 60-03357A
- from coal-burning power plants, chemical species in. 60-03344A
- determination of fineness. 60-02166A
- experimental cements made with. 60-03359A
- glass-, from new hot gas clean-up process. 60-03540A
- government procurement of cement and concrete made from. 60-03364A
- leach-resistant solid bodies from. 60-00060P
- liability pitfalls in sale of, in cement replacement. 60-03338A
- method for making concrete from. 60-00945P
- in paving and structural concrete. 60-03361A
- production of cement clinkers from. 60-03409P
- recovery of Al₂O₃ from, developments in the lime-soda sinter process for. 60-04186A; 60-00949P
- sources of pozzolanic activity in. 60-03382A
- use in cement and concrete industry. 60-02118A
- rice husk, SiO₂, crystallite growth. 60-04291A
- ir spectroscopic study. 60-00833A
- surface properties of silicas produced from. 60-00835A
- thermal treatment. 60-00842A
- from sludge, petrochemical, use as binder for soil stabilization. 60-00905A
- soda, natural and synthetic, use in Na₂O-CaO glass batches. 60-01196A
- Atmosphere,**
- kiln, effect on brick color. 60-05018A
- nitriding, effect on formation of reaction-bonded Si₃N₄. 60-04207A
- reaction, effect on phase development in portland cement clinkers. 60-00909A
- Atomization.** See *Spraying.*
- Atoms,**
- in glass-forming systems, chalcogenide, interchangeability. 60-00189A
- Attrition.** See *Crushing; Grinding.*
- Auget.** See *Extrusion.*
- Automation,**
- of decorating techniques, for whiteware. 60-01465A
- of depalletizing and emptying of sacks, in cement industry. 60-02120A
- of diffusivity measurements, laser-flash thermal. 60-00628A
- electronic, revolutions in. 60-01682A
- in glass industry, complements handmade tradition. 60-00109A
- of glass production. 60-02245A
- in production, of drain pipes. 60-03258B
- of shipping, in Dottenhausen portland cement works. 60-02115A
- of tile works, roofing. 60-01311A
- in whiteware industry, use of robots. 60-01547A
- Radioisotopes,**
- impurities, radioactive, process for separating. 60-04196P
- Balances.** See *Weighing and weights.*
- Ball mills.** See *Mills.*
- Barite.** See *Barium, sulfate.*
- Barium,**
- Ba₂FeTa₂O₈, X-ray and Moessbauer studies. 60-03248A
- Ba₂Zn₂Fe₂O₁₁, spheres, ferromagnetic resonance. 60-01920A
- BaCO₃, extended, for brick scum prevention. 60-00394P
- BaCl₂ and BaCO₃, interaction at elevated temps. 60-04354A
- BaMoO₄, luminescence of. 60-01921A
- BaO-Fe₂O₃, crystallization without melting. 60-01868A
- BaO/SrO ratio, effect on crystallization in Ti glasses. 60-01020A
- BaSO₄, effect on formation and hydration of Ca silicates. 60-04544A
- reaction with soda ash in aqueous medium. 60-04408A
- BaZnGeO₄, crystals, growth and properties. 60-01902A
- chloride, interaction with alkali metal silicates. 60-05634A
- containing additives, use to improve quality of cements based on high alkaline materials. 60-04575A
- ferrite, chemically coprecipitated, formation. 60-00794A
- hexaaluminate, crystals, Czochralski growth. 60-01870A
- hexaferrite, isotropic and textured, fracture. 60-04333A
- Barium, titanate.** See also *Dielectrics.*
- 60-03045A
- and (Pb-La)(Zr,Ti)O₃, ceramic capacitor having dielectric of. 60-00534P
- ceramics, with positive temp. coeff. of electric resistance. 60-00532P
- crystals, XRD analysis of structure. 60-02864A
- mechanically compressed, dielectric constant. 60-01875A
- spectroscopic study of surfaces. 60-05639A
- dielectric properties, effect of calcination and firing atm. 60-00506A
- domains in, configuration and equilibrium size. 60-05271A
- doped with BaTi₂O₇, electrical properties and structure. 60-04319A
- elasto-optic effect in. 60-03072A
- ferroelectric, domain formation, X-ray topographic study. 60-04205A
- films, dielectric properties, effect of sinusoidal electric field on. 60-01538A
- dielectric strength, statistical analysis. 60-00521A
- hexagonal, carbonate adsorption by. 60-04364A
- piezoelectric, feasibility as prosthetic implant. 60-04220A
- reduction, inhibition of. 60-00806A
- refractive indices, and angle of polarization. 60-01845A
- semiconducting surface, neutralization of ion beam on. 60-01548A
- as semiconductor material. 60-05263A
- small-grained, preparation of. 60-04038A
- solubility of C in, at low O potentials. 60-00520A
- solubility of TiO₂ in. 60-05701A
- undoped, and La-doped, defect structure and O diffusion in. 60-05588A
- nonstoichiometry in. 60-05284A
- zirconate, solid solution, modification. 60-04031A
- Basalt,**
- from Lower Silesia, use in production of mineral fibers. 60-04472A
- from Vonescha Voda quarry, Bulgaria, production of cast stone refractories from. 60-05132A
- application, in glass production. 60-00980A
- Base exchange.** See *Ions.*
- Batch,**
- glass, carryover, isokinetic sampling. 60-04785A

- consolidation and preheating, in the U.S. 60-01193A
fluidized beds for preheating. 60-02282A
heating of. 60-02399P
rapid strength development in compacting. 60-01292P
- Batteries.**
60-02774P; 60-05311P
Na-S. 60-01587P
with glass electrolyte. 60-01632P
with glass electrolyte for Na ion-conducting. 60-01631P
stress analysis of seal in. 60-02711A
electrochemical, sealing of electrolyte material in. 60-05347P
hollow fiber type, He-tight tubesheet for. 60-00550P
- Bauxite.**
Chinese, calcined, properties. 60-02524A
from Rajhauan, preliminary studies on. 60-05484A
calcination, in People's Republic of China. 60-05477A
extraction of Al_2O_3 , apparatus for. 60-02915P
mining, in People's Republic of China. 60-05477A
process for treating. 60-04197P
refractory grade, from China. 60-05141A
upgrading. 60-05498P
- Belite.**
cement, active. 60-04509A; 60-04510A
effect of alkalis on hydraulic activity of slurry. 60-04523A
sulfate-aluminate, rapid-setting cements. 60-04562A
unusual form, in portland cement clinkers. 60-04574A
- Bending.** See *Deformation*.
- Beneficiation.** See also *Classification*; *Classifiers*;
Crushing; *Grinding*; *Filters*; *Flotation*; *Screens* and
sieves; *Separation*; *Separators*.
of Al-bearing materials, removal of Fe and Ti minerals
by. 60-05495P
of kaolin. 60-05471A; 60-05472A
of magnesite. 60-05473A
magnetic, of clays. 60-00682P
of minerals, bauxites, bauxitic clays, and Al-bearing
clays. 60-05498P
of raw materials, submarginal. 60-00674A
- Bentonite.**
-based pigments, green. 60-05188A
domestic, synthesis of analcime from. 60-05716A
gels, aqueous, effect of cations on. 60-00609A
methylene blue adsorption on. 60-05654A
segmented mining and drying, method. 60-02919P
suspension, thixotropy, in relation to exchangeable
cations. 60-01494A
use, in production of polymer-bonded phosphogypsums.
60-05036A
- Beryl.**
and chrysoberyl, single crystals, method of making.
60-00579P
- Beryllium.**
BeO. 60-03260B
crystals, growth. 60-01592P
lattice dynamics. 60-03118A
monocrystals, method of growing. 60-00574P
polycrystalline, mechanical behavior. 60-01926A
thermal analysis. 60-02002A
additive, sintering of Si_3N_4 , using. 60-00765P
fluoride, optical glasses. 60-03439A
- Binders.**
Al-Cr phosphate, Al_2O_3 -SiC refractories based on,
dilatometric studies. 60-00409A
chemical technology. 60-02626B
for concretes, chemically resistant. 60-00932P
gypsum. 60-04586P; 60-04587P
hydraulic, method for making. 60-00940P
setting, at low temps. 60-03366A
inorganic, additive for. 60-04582P
for mat, glass fiber. 60-02372P
mineral, hydration hardening of, effect of Zn compounds.
60-03351A
mineral fiber, high-temp. 60-01436P
for mortars and microconcretes, process for using.
60-00066P
phosphate, production of Al_2O_3 -based refractories
with. 60-05166P
polymethylmethacrylate, dielectric glass coating
containing. 60-04061P
refractory, effect of pretreatment on alkali resistance
of bodies. 60-01348A
setting, of gypsum, French method for evaluating.
60-00049A
slag, alkali, high-strength refractory bricks based on.
60-03890A
for soil stabilization, from petrochemical sludge ash.
60-00905A
- Biotite.** See *Mica*.
- Birefringence.** See *Refraction*.
- Bismuth.**
 Bi_2O_3 , Sb_2O_3 -stabilized polymorphs, thermal expansion.
60-00080A
beta-, stabilization by Sb_2O_3 , doping. 60-01981A
 Bi_2WO_6 , crystal growth of. 60-04289A
 Bi_2TeO_5 , dielectric properties. 60-05270A
germanate, and Bi Ge oxide, temp. variation of dielectric
properties. 60-05297A
oxide, films, vacuum-deposited, dielectric properties.
60-01521A
titanates, layered, synthesis. 60-05275A
- Blending.** See *Mixing*; *Mixers*.
- Bodies, ceramic.** See *Dielectrics* and specific types.
- Boehmite.**
dehydration, kinetics. 60-04363A
- Bonding.** See also *Seals and sealing*.
of Al_2O_3 , using cuprous oxide as insert. 60-02610A
Si on sapphire and spinel, to Ni and Ni steel, method
for. 60-05328P
of Si oxides and Ag, by intermediate coating of metal.
60-00319P
Si-O, in Na_2O - TiO_2 - SiO_2 and K_2O - TiO_2 - SiO_2 glasses.
60-01155A
of V(IV), in Na_2O - $2B_2O_3$ - As_2O_3 glass. 60-00112A
of cations, into glassy network. 60-03570A
chemical, in M-C carbides of IVB and VB transition
metals. 60-03043A
in TiC, TiN, VC, and VN, energy evaluation. 60-01897A
crystal layers, to insulating substrates, method for.
60-02762P
electrostatic, hermetic glass sealing by. 60-00176A
glass-metal, fundamentals. 60-00956A
metal layer, to substrate, glazing paste for. 60-05317P
porcelain enamel-to-steel, mechanism of Ni-flash coating.
60-04629A
of refractories, castable, with rho- Al_2O_3 . 60-05123A
solid state, of ceramic-to-metal joints. 60-04037A
of metals to oxides. 60-01771A
substrates, to Al_2O_3 . 60-00533P
- Bonds.**
chemical, in carbides and nitrides of U, scattered wave
study. 60-03077A
development, in frit powder enameling. 60-04599A
vitreous, for refractories, use of computers and mathemati-
cal models in reformulating and optimizing. 60-05135A
- Borates.**
Ca, method for producing. 60-01264P
Li tetrafluoro-, thermal decomposition. 60-03228A
borax, corrosion of SnO_2 by, effect of electric field.
60-04308A
hydrated, method for making. 60-02918P
rare earth-Al, thermal decomposition of. 60-02005A
- Borides.**
IVA-diborides, crystals, growth from metal solutions.
60-05694A
 LaB_6 , synthesis from BN and La citrate hydrate. 60-05715A
 TaB_6 , growth. 60-05695A
Ti, C-containing powder, method for making. 60-04266P
-based, refractories. 60-03920P
coating, on cemented carbides. 60-04230P
- Boron.**
 Al_2O_3 , refractories, electrofusion method of producing.
60-00458P
 B_2O_3 , bipyramidal, structure and stability. 60-03205A
vitreous and molten, Raman study. 60-03176A
vitreous, vibrational spectra and structure. 60-03245A
B,C, and La, Sr, and/or Ba hexaboride, for electric
gun cathode. 60-04231P
elastic modulus and fracture. 60-00787A
solubility and diffusion of Si in. 60-03197A
superhard, sintered. 60-00728A
B,C and graphite, composites, made by hot-pressing.
60-04212A
BN, abrasive particles. 60-00879P
amber, abrasives, physical and mechanical properties.
60-00001A
cubic, formation of, using Ca oxide and Li nitride as
catalysts. 60-05510A
and diamond, abrasive compacts and conglomerates.
60-00006P
fiber, BN bonded article. 60-02980P
fiber, BN bonded article, from boric oxide fiber.
60-02981P
films, humidity-sensitive electrical properties.
60-02653A
films, synthesis by pyrolysis of BN compounds.
60-03171A
hot-pressed ceramics based on, effect of moisture on
properties. 60-00707A
particles, sintered into strong mass. 60-02976A
polycrystalline superhard, method of making. 60-00757P
BN and SiC in Si/SiC matrix, compliant layer, properties.
60-04223A
BN and/or diamond, polycrystalline, method of making.
60-00756P
BN- Si_3N_4 , high/low modulus composites for improved
electrical and thermal shock behavior. 60-04214A
-C system, determination of free C in. 60-05591A
CVD, on C filaments, calculation of stresses in. 60-00699A
in Si, concentration dependence of diffusion coeff.
60-01855A
(Ti,Zr) B_6 and (Ta,Ti) B_6 , CVD. 60-01737A
anhydride, effect of sintering of corundum. 60-05600A
atoms, four-coordinated, in Li borate glasses, re-
examination of the fraction of. 60-03654A
bonded, tetrahedrally, in alkali borate glasses,
statistical analysis. 60-04873A
boronizing, treatment for mfg. magnetic heads. 60-02757P
carbide. 60-01733A
-containing glasses, use for chemical analysis. 60-04673A
coordination, in alkali aluminoborosilicate glass,
statistical mechanical model. 60-01168A
elongation, during CVD, model for. 60-00721A
films, elasticity and expansion coeff. 60-02631A
incorporation, during growth of Ga As crystals. 60-02654A
- in nuclear materials, mass spectrometric determination.
60-05425A
redistribution, in sintered α -SiC during thermal
oxidation. 60-04275A
in silicates, emission spectrographic analysis. 60-05430A
- Brazing.** See *Soldering*.
- Brick industry.** See also *Structural clay industry*.
Belgian. 60-00382A
Brazon plant, in Texas. 60-02462A
in Comecon countries, technical progress. 60-05035A
General Shale solar house sparks interest in Knoxville.
60-02477A
Hungarian, development of dryers. 60-03835A
in Nigeria, development. 60-00384A; 60-05016A
Ochs Brick and Tile Co., Minnesota's only plant
modernizes. 60-03844A
in South Africa. 60-01467A
Tata III factory tunnel kiln, production-increasing
addition to. 60-03821A
Yorkshire's new portakiln. 60-00392A
apparatus for positioning, prismatic bricks. 60-03861P
brick house uses solar heat. 60-02464A
clay storage. 60-02465A
color, effect of kiln atm on. 60-05018A
controllers, programmable, for molding and pressing.
60-02491A
cut elements, method and apparatus for transporting.
60-03865P
demand for brick. 60-02479A
diaphragm, walls. 60-02463A
drying cracks, prevention of. 60-05020A
energy conservation. 60-01319A
role of fly ash brick mfg. 60-03848A
finishing machine. 60-03862P
fired blanks, plant for producing. 60-00395P
fuels, coal, new gasification process. 60-02879A
handling apparatus. 60-02503P; 60-02505P; 60-02507P
heat exchangers, use. 60-01323A
interview with Bill Roark. 60-02473A
kiln cars, unloading machine for. 60-01322A
kilns, tunnel, energy reclamation in. 60-02875A
linking of power and heat, possible use of gas turbine.
60-02483A
load-bearing masonry apartment building, in Ottawa,
Canada, case study of. 60-03825A
mechanization, limits of profitability. 60-05025A;
60-05026A
method and apparatus for grouping and setting. 60-03864P
new facing works at Hude-Kirchhimm. 60-02486A
new generation Merry Companies' plant in Augusta, Ga.
60-02485A
new kiln at Sipple highlights expansion program.
60-02487A
new plant built by Locher Works, in Virginia. 60-05008A
pollution, air, measures for preventing. 60-05024A
air, prevention. 60-02461A
water treatment system for prevention. 60-05038A
presses, superfast. 60-05032A
rice hulls, use of. 60-05037A
scum prevention, extended $BaCO_3$, for. 60-00394P
silt for. 60-02495A
split tile, natural partner for brick production.
60-02498A
use of electronics. 60-02469A
variety, with colors, coatings, and texture. 60-05011A
the year ahead, economy. 60-02500A
- Brick.** See also *Masonry*; *Refractories*.
Ca silicate, walls, compressive strength under axial
loading. 60-03827A
 SiO_2 , superduty, production and properties. 60-01386A
andalusite, for torpedo ladles. 60-01328A
carbonaceous, method for making. 60-00457P
-clad, building panels. 60-02504P
clay, effect of raw materials and production methods on
deformation. 60-02480A
residual stress in. 60-03847A
coatings, development, to fit plant requirements. 60-05015A
concrete, mfg. 60-05040P
containing combustibles, firing in tunnel kilns. 60-02475A
cross-wall structure, behavior of. 60-03823A
facing, coloring of. 60-03826A
production. 60-05044P
fibers, dynamic modulus and damping. 60-00706A
hollow, mold for. 60-05042P
impregnation, with thermosetting resins. 60-05010A
made from Devonian clays, determination of sulfate
content. 60-01308A
making, art of, in China. 60-05009A
use of rice hulls. 60-05037A
masonry, in combined racking shear and compression,
strength of. 60-03854A
creep, in cavity walls and piers. 60-03832A
failure criterion, in vertical flexure. 60-03837A
foundations for. 60-03838A
high-insulating designs. 60-02478A
lateral strength. 60-03842A
load-bearing walls, design. 60-03850A
load-bearing, tests on. 60-03855A
reinforced and prestressed. 60-02492A
reinforced and prestressed, design. 60-03834A
reinforced, in Belgium, research. 60-03846A
reinforcement. 60-02497A
steps to avoid cracking. 60-02467A

- superior energy conservation material. 60-02471A;
60-02472A
vaults, unreinforced, lab tests on. 60-03858A
walls, without precompression, lateral load resistance
of. 60-03841A
method for making. 60-05041P
panels, with in-plane restraints, laterally loaded,
precracking behavior. 60-03845A
paving, brief history. 60-03888A
prismatic, apparatus for positioning. 60-03861P
raw, clays, physical properties. 60-01315A
refractory, C-MgO, in electric arc furnaces. 60-02509A
CaO, properties after reheating. 60-05138A
CaO, used in AOD vessel. 60-05118A
Dinas, charge for. 60-01425P
MgO chrome, for degassing vessels, alteration. 60-05046A
MgO-C, performance in LF vessel. 60-05099A
basic, for 100 ton electric furnace roof. 60-05133A
burned MgO-dolomite, use at bottom of degassing vessels.
60-05058A; 60-05059A
containing SiC, results of use for ladles. 60-05120A
high C-MgO. 60-05085A
for metallurgical vessels. 60-05150P
raw materials for pressing, optimum mixing time.
60-01340A
tar dolomite, effect of C on wear resistance. 60-01415A
use of radioactive isotopes in preparing mixtures.
60-01411A
sand-lime, with low bulk density, method of making.
60-00946P
silicate, process of obtaining hydrated dolomite lime.
60-00948P
simulated old, apparatus and method for forming.
60-03860P
story-high, monolithic. 60-00386A
production in France. 60-02499A
unfired, mineralogical analysis of clays. 60-01313A
variety, with colors, coatings, and texture. 60-05011A
vener, attached to timber-framed panels, load tests on.
60-03851A
walls, diaphragm. 60-02463A
under enforced end rotations, strength. 60-03853A
internal, mortar-free. 60-02484A
- Brickmaking equipment.** See also *Dryers; Kilns; Materials handling; Presses.*
60-05039P
for deacking and stacking. 60-00393P
for finishing. 60-03862P
fired blanks, plant for producing. 60-00395P
for grouping and setting. 60-03864P
for transporting cut elements. 60-03865P
- Briquets,** refractory, forming process and composition. 60-03922P
- Brittle materials,** abrasive wear. 60-00871A
composites, high-E, low-E, thermal shock resistance.
60-04202A
microcracking in. 60-02959A
micromechanisms controlling fracture toughness.
60-02960A
crack initiation, grain-size dependence. 60-03092A
fracture, delayed, statistical approach to. 60-01167A
fracture mechanics. 60-00810A
fracture toughness, determination using small specimens.
60-01664A
high-temp., thermal stress resistance, figures-of-merit
for. 60-03085A
mechanical properties. 60-00810A
disk-shaped specimens for measuring. 60-00847A
plates, subjected to asymmetric radiation, analysis
of thermal stress resistance. 60-03030A; 60-03031A
showing slow crack growth, effect of testing procedure
on fracture parameters. 60-05628A
structural strength, use of beam or plate theories to
determine Young's modulus. 60-04464A
thermally shocked, effect of crack interaction on
strength. 60-05601A
- Bubbles,** behavior, during refining of glassmelts, mathematical
model. 60-00206A
in crystals, corundum, cause of. 60-05571A
decorative, air, formation in glassware. 60-03738P
in glassware, method for forming. 60-02377P
gas, in UO₂, mobility of. 60-05378A
in glasses, change of gas composition. 60-00118A
chromatographic determination of gases in. 60-04699A
melted, mathematical modeling. 60-03597A
materials, magnetic. 60-02671A
in melts, viscous SiO₂, behavior. 60-04671A
multi-, dissolution in glassmelts. 60-00221A
path, during refining in glassmelting furnaces, calculation.
60-04675A
- Building materials.** See also *Brick; Enamels; Insulation, thermal; Structural clay products.*
60-03294B
blocks, mfg. 60-03399P
production. 60-05043P
brick, veneer, attached to timber-framed panels, load tests
on. 60-03851A
brick masonry, load-bearing walls, design. 60-03850A
brickwork, failure criterion, in vertical flexure.
60-03837A
foundations for. 60-03838A
- lateral strength. 60-03842A
panels, with in-plane restraints, laterally loaded,
precracking behavior. 60-03845A
reinforced and prestressed. 60-02492A
reinforced and prestressed, design. 60-03834A
reinforced, in Belgium, research. 60-03846A
walls, without precompression, lateral load resistance
of. 60-03841A
brittle, beam or plate theories, to determine Young's
modulus. 60-04464A
from by-products of Polish power industry, measurement
of radioactivity. 60-01668A
cemented compositions, acidic earthen. 60-00051P
components, prefabricated, compatibility. 60-00711A
composites, fiber, load-bearing. 60-04480B
wall/beam, structural clay, method for analyzing.
60-03822A
concrete, behavior in fire. 60-02936A
heat resistant, use in U.S.S.R. 60-00916A
demand for brick. 60-02479A
dry wall joint, and finishing compounds. 60-02203P
and ecology. 60-05012A
frame idealization, for bearing-wall multistory
structure, research. 60-03836A
glass and slag-glass-ceramics, effectiveness
of. 60-03272B
masonry, load-bearing, study of apartment building
in Ottawa, Canada. 60-03825A
load-bearing, tests on. 60-03855A
reinforced, tests on behavior of compression
zone. 60-03856A
use for energy conservation. 60-02471A; 60-02472A
panels, brick-clad. 60-02504P
paving, terra cotta. 60-02506P
refractory, use. 60-02531A
standards, for house wall construction, in Europe.
60-03852A
structural clay. 60-03866P
glazed, method for producing. 60-03867P
technology. 60-03296B
wall panels, laterally loaded, design. 60-03833A
wall-beam structures, tests on. 60-03857A
walls, ceramic, improving quality. 60-03839A
- Bulbs.** See *Glass.*
- Bulgarite,** cast glass-ceramics containing. 60-00116A
- Burners.** See also *Flames.*
ceramic. 60-04180P
design, effect on fuel usage. 60-01696A
emissions, lessons in fuel economy. 60-04171A
gas, for flame adherence to tile. 60-00665P
high-pressure, of glassmelting furnaces. 60-04767A
high-speed, self-igniting, for tunnel kilns. 60-02888A
oil, New Zealand, for artwork kilns. 60-00895A
rotary kiln, for solid and mixed fuels. 60-00656A;
60-02886A
structure, regenerative tile. 60-02905P
- Burning.** See also *Calcination; Combustion; Firing; Lime.*
of cement clinkers, equipment for, physicochemical
processes in. 60-03373A
role of volatiles. 60-04564A
cements, in several stages, thermal treatment of dust-like
material for. 60-00943P
lime, with Smith-Parsons system. 60-00033A
evaluation of regenerative shaft furnaces for. 60-00912A
limits of heat consumption. 60-02193A
limestone and dolomite, evaluating characteristics.
60-03358A
- Bushings,** blocks, glass. 60-03731P
glass fibers for. 60-03732P
- Cadmium,** Cd₂-Zn₂S, films, photoluminescent properties. 60-02684A
CdGa₂Se₃, anisotropy of linear expansion. 60-03032A
CdO, additive, effect on sintering of LiNbO₃. 60-03067A
CdS, solar grade. 60-02791P
CdS(Cu,Cl), films, photoconducting, effect of frequency
on voltage and bulk properties. 60-01539A
films, surface and bulk photoconductivity. 60-02716A
CdS/Cu₂S, films, for solar cells, design and
fabrication. 60-01520A
CdSnP₂, growth of crystals, using temp. gradient.
60-01901A
glass, with low Cd oxide solubility. 60-01219P
pigments, red, decorating enamels based on. 60-03427P
release from glazes, in contact with acetic acid and foods,
under influence of light. 60-05217A
systems, CdS-CdSe solid solutions, electrical and optical
properties. 60-02250A
- Calc.** See *Calcium, oxide.*
- Calcination.** See also *Firing.*
of BaTiO₃, effect of dielectric properties. 60-00506A
of bauxite, in People's Republic of China. 60-05477A
of limestone, in rotary kiln, process. 60-03412P
of limestone or lime, in rotary kiln, process. 60-00070P
of quartz glasses, preliminary, effect on surface
conductivity in moist air. 60-03488A
of sinterable materials, to form cement clinker. 60-02214P
- Calcining,** kettle, designed to return stack gas to mixture. 60-02201P
kilns, rotary hearth for. 60-00672P
- Calcium,** Ca-Zn-Ti₂O₇, new type structure, preparation and
identification. 60-03166A
Ca(OH)₂, in cementitious phases, estimation by DTA.
60-03348A
diffusion, through hardened cement pastes. 60-03349A
possible use in glass-forming mixture. 60-01130A
Ca-H₂O, interactions in crystalline hydrates, geometry of.
60-05616A
CaAl₂O₄ and CaGa₂O₄, high pressure modifications of.
60-04345A
CaCO₃, containing kaolin additive. 60-04193P
kinetics of thermal decomposition. 60-01882A
method for improving. 60-00684P
CaCr₂O₄, alpha- and beta-, with MgO additions, stability.
60-04426A
CaF₂, Na-resistant glass cell made by coating with.
60-03670A
films, initial ionic thermocurrent in. 60-02658A
portland cement clinkers doped with, structure and
properties. 60-00048A
CaGe₂O₇, crystal structure. 60-05582A
CaO, with Cr₂O₃, addition, solid state sintering.
60-03196A
activation of, as sorbent. 60-00678P
conversion of Ca sulfide to. 60-00680P
particulates, vapor-phase hydration. 60-03244A
refractory bricks, properties after reheating. 60-05138A
shell mold system. 60-02535P
thermal analysis. 60-02002A
unsoundness of cements containing. 60-02197A
CaO-Ga₂O₃, thermodynamic stability, and reactions with
oxides of Ti, Cr, and Zr. 60-04455A
CaSO₄, modification of properties of monocalcium ferrite
with. 60-04551A
CaWO₄, thermodynamic properties. 60-03236A
beta-Ca₂SiO₄, stabilization, ir and Raman studies.
60-03115A
and cement, process for simultaneous production.
60-00939P
chlorides and fluorides, volatility of, during production
of cement clinkers. 60-04580A
chromite, beta- α transformation, effect of O pressure
on temp. 60-04310A
dicalcium silicate, process for preparing. 60-00947P
migration, in dense Al₂O₃, aged in water. 60-05191A
phosphate, prosthetic material. 60-05503A
reduction products, petrographic and XRD study.
60-04381A
phosphate films, formation on bioglass. 60-05504A
formation on silicate glasses. 60-01048A
segregation, effect on fracture behavior of polycrystalline
Al₂O₃. 60-01881A
silicate hydrates, in beta-C₂S, metamict state. 60-04550A
silicates, alkali, method for making. 60-05488P
effect of BaSO₄ on formation and hydration. 60-04544A
with high specific volume, production. 60-00693P
sulfate dihydrate and sulfite, solid solution of. 60-04566A
sulfide, conversion to CaO. 60-00680P
vanadates, peculiarities of interaction of V₂O₅ with.
60-03149A
in wollastonite, replacement by Sr, electron microscope
study. 60-01967A
- Calcium, oxide.** See *Calcium; Lime.*
- Calorimeters,** adiabatic, simplified. 60-00045A
- Calorimetry,** differential scanning, kinetic study of crystallization
of glasses by. 60-04787A
purity determination by stepwise melting in. 60-02829A
- Calumite,** slag, benefit to glassmakers. 60-00115A
- Capacitors,** Al-Al₂O₃-metal, subjected to voltage and temp. changes,
behavior of. 60-03998A
Ta chip, dc conduction in. 60-02619A
Ta-N-Ta₂O₅-N-Al, improved properties. 60-01537A
ceramic, low-temp. sintering. 60-02742P
method of making. 60-04054P
multilayer. 60-00586P
with co-fired terminations. 60-02729P
with dielectric of (Pb_{1-x}La_x)Zr₂TiO₇ and BaTiO₃. 60-00534P
elements for. 60-02735P
film, dielectric paste for. 60-00540P
low-voltage, ferroelectric material for. 60-05314P
multilayer, thermoplastic electrode ink for. 60-02794P
thermally stable, glass-ceramic for. 60-01591P
- Carbides.** See also specific types.
B.C. 60-01733A
C content, determination by elemental analyzer. 60-02835A
HfC, and TaC, electronic structures, calculations.
60-02013A
-TiC, coating on hard alloy. 60-05552P
stoichiometric, emissivity at high temps. 60-03080A
M₂C, of IVB and VB transition metals, chemical bonding
in. 60-03043A
Ni₃C. 60-01934A
SiC, controlled nucleation thermochemical deposition,
characterization and properties. 60-01736A
shaped bodies, method of making. 60-04250P
sintered body, method of making. 60-02773P
SiC-B₄C, sintered body. 60-05549P
TiC, (111) and (100), angle-resolved photoemission
studies. 60-05555A

- NbC, WC, abrasive micropowders, electron microscopic study of topography of Nb, W surfaces machined with. 60-00872A
- and NbC, high-temp. reaction of Nb pentoxide with. 60-01907A
- WC, base powder for cemented carbide alloys, process for preparing. 60-05543P
- sputtered, adherence of. 60-01729A
- TiC, optical properties. 60-0140A; 60-03141A
- U, electrical resistivities. 60-02635A
- U-Pu-mixed, method of making. 60-00615P
- V, low S material containing, process for making. 60-04257P
- WC, process for removing W from. 60-03016P
- Y₂O₃, identification. 60-04113A
- ZrC and NbC, refractory, structural vacancies in, calculation of thermodynamic characteristics. 60-01849A
- cemented, boride coated. 60-04230P
- mechanical testing of. 60-01669A
- diamond, abrasives, family of resinoid bond grits, factors affecting performance. 60-00873A
- fuels, Th-bearing, fabrication. 60-04122P
- ionic, solid solubilities, X-ray study. 60-02015A
- metal, in pure form, production. 60-04258P
- nuclear fuels, for fast breeder reactors, study. 60-05357A; 60-05358A; 60-05359A
- solid solution. 60-00621P
- powders, ultrafine, process for preparing. 60-05493P
- refractory, sinterable, injection molding. 60-01448P
- sesqui-, of heavy rare earths and Y, synthesis. 60-05718A
- studies, of TiC and (Ti, V)C. 60-01731A
- transition-metal, superconducting critical temp., effect of neutron irradiation. 60-03071A
- Carbon, fibers.** See *Fibers, carbon.*
- Carbon.** See also *Graphite.*
- C, composite material, method for making. 60-00739P
- CF₄, reactions, metastable C phases from. 60-01927A; 60-01928A
- CO, resistance of refractories to. 60-01399A
- CO₂, adsorption on synthetic zeolite AW500. 60-05499A
- splicing optical fibers by. 60-03786P
- MgO, bricks, in electric arc furnaces. 60-02509A
- Si₃N₄, amorphous plate, preparation by CVD. 60-02968A
- SiC and Ge-C, hydrogenated amorphous films, ir absorption of. 60-02657A
- in SiO₂, isotopic-spectral determination. 60-05432A
- articles, furnaces for baking. 60-00662P
- atomic, in MgO. 60-04273A; 60-04274A; 60-05559A; 60-05560A; 60-05561A; 60-05562A; 60-05563A; 60-05564A
- in carbides, determination by elemental analyzer. 60-02835A
- charcoal, activated, cloth, mechanical properties. 60-02958A
- coatings, for fusion applications. 60-01734A
- for starting member used to make optical waveguides. 60-01220P
- contamination, in Si, low-temp. evaluation. 60-02668A
- content, of Si wafers, ir absorption evaluation. 60-02639A
- diamond modifications, produced by shock compression. 60-01787A
- diamond-like, films, produced by glow discharge of hydrocarbon gases, properties and coating rates. 60-01780A
- layers, frictional properties. 60-02952A
- process for producing. 60-00619P
- diffusion, in UC_{1±x}. 60-05353A
- electrodes, mfg. 60-02536P
- fabric, process for producing. 60-01831P; 60-01832P
- fibers. 60-02938A
- from SRC pitch. 60-05526P
- TaC, composites, production. 60-05547P
- composite article made with. 60-05528P
- free, in system B-C, determination of. 60-05591A
- glass-ceramic, radiation-induced changes in crystal-structure parameters of. 60-04839A
- hard, electron microscopy study of turbostratic and graphite phases. 60-04282A
- heart valves, biocompatibility. 60-05501A
- in iron and steel, cast, crucible for determining. 60-00399A
- linings, of blast furnaces, problems with. 60-01404A
- polygranular, relation of flexural strength to porosity. 60-02949A
- solubility, in BaTiO₃, at low O potentials. 60-00520A
- Carbonaceous materials.**
- bricks, method for making. 60-00457P
- Carbonates.**
- Ca, containing kaolin additive. 60-04193P
- method for improving. 60-00684P
- Na, production for glass industry in Europe. 60-00269A
- molten, fuel cells, fracture strength of Li aluminate structure for. 60-00713A
- Carbonation.**
- of refractories, castable. 60-02510A
- Cast iron.** See *Enameling metals; Iron.*
- Castables.**
- refractory, setting, use of microwaves. 60-00397A
- Casting.** See also *Molding; Refractories; Slip casting.*
- centrifugal, of glasses, modeling studies. 60-04861A
- clay handlogs, spanges for removing seams from. 60-03995P
- continuous, of Al-containing steels, prevention of Al₂O₃ buildup in nozzles. 60-01383A
- direct, of composite glass/plastic lenses. 60-00312P
- fusion, of refractories. 60-01356A
- of transparent spinels. 60-05512A
- and glazing sanitary ware, production improvements. 60-05213A
- of lenses, glass-plastic. 60-02415P
- in molds, ceramic. 60-05748B
- processes of, ingots. 60-00472P
- slip, electrophoretic. 60-00493P
- mfg. method. 60-02603P
- steel, and refractories industry. 60-03947P
- of superalloys, minimizing formation of metal-ceramic layer during. 60-01813P
- vibration, of large aluminosilicate refractories. 60-01367A
- of whiteware, advantages of electrophoretic deposition. 60-02583A
- hollow, in molds. 60-03990P
- improved technology from the U.K. 60-02577A
- Castings.**
- composite, Al-ceramic particles, preparation and properties. 60-04221A
- U and steel, process for. 60-01450P
- refractory products, molds for. 60-02555P
- sanitary ware, molds for. 60-03993P
- superalloy, composite shell molds for. 60-02538P
- Catalysis.**
- 60-00740P
- Al₂O₃, carrier, method of making. 60-00760P; 60-03017P
- hydrocarbon reforming. 60-01835P
- with predetermined pore size and pore volume, preparation of. 60-01829P
- for vinyl acetate process. 60-01840P
- Al₂O₃-Al phosphate-SiO₂-zeolite. 60-00737P
- Ca oxide and Li nitride, use in formation of cubic BN. 60-05510A
- MgO-Al₂O₃-Al phosphate-zeolite. 60-00749P
- Ni cluster, metal oxide/SiO₂, supported. 60-05535P
- Ni flash, effect in one-coat enameling. 60-00083A
- Pd/SiO₂, hydrogenation, for H₂O, mfg. 60-01824P
- V₂O₅, on TiO₂, substrate, method of making. 60-00753P
- ZrO₂-containing. 60-03024P
- aluminosilicate, preparation and use. 60-01814P
- aluminosilicate sols and powders, for petroleum refinery. 60-04254P
- aluminosilicate-SiO₂-Al₂O₃ gel, processes for making. 60-02994P
- carriers, used in petrochemistry, production. 60-05517A
- composite, method of making. 60-02985P
- containing ammoniated SiO₂-Al₂O₃ gel, process for producing. 60-02979P
- glass, hydrated, for cyclodimerization of butadiene-1,3. 60-03549A
- heterogeneous. 60-02954A
- high temp.-stable. 60-00748P
- hydrocarbon reforming. 60-01809P
- metal oxides, effect of support on chemistry. 60-00709A
- nucleators, effect on SiO₂-Al₂O₃-Li₂O glass-ceramics. 60-04859A
- precursors, gas-making calcined, of Ni, Al₂O₃, Na, and K. 60-03001P
- reforming, Ir, ZrO₂, and Al₂O₃. 60-01836P
- selective, zeolites and silicates as media for. 60-00736A
- supported by honeycomb. 60-02986P
- supports, new process for fabrication. 60-02964A
- oxide, for petrochemical industry. 60-01770A
- preparation of. 60-03011P
- systems, transition metal oxide-MoO₃-Al₂O₃. 60-04279A
- using SiO₂-Al₂O₃ cogel. 60-01804P; 60-01805P
- xerogel, ZrO₂-SiO₂, method of making. 60-03008P
- zeolite, steam stable aluminosilicate, method of making. 60-01819P
- zeolite, faujasite-type molecular sieve. 60-05519A
- steam stable aluminosilicate, method of making. 60-01819P
- Cathode-ray screens.** See *Screens, fluorescent.*
- Cathode-ray tubes.** See *Tubes.*
- Cathodes.**
- Mo sulfide. 60-01613P
- bonded, with layered insulation. 60-02728P
- electric gun, B/C and La, Sr, and/or Ba hexaboride. 60-04231P
- Cathodoluminescence.** See *Luminescence.*
- Cations.** See *Ions.*
- Celestine.** See *Strontium, sulfate.*
- Cells.**
- electrochemical. 60-05311P
- method of sealing electrolyte in. 60-00582P
- sealing of electrolyte material in. 60-05347P
- fuel, electrolyte reservoir layer, method for making. 60-00547P
- method of preparing electrolyte for. 60-04081P
- molten carbonate, Li aluminate electrolyte retainer for, fabrication and properties. 60-04111A
- molten carbonate, fracture strength of Li aluminate structure for. 60-00713A
- glass, Na-resistant, made by coating with CaF₂. 60-03670A
- secondary, nonaqueous, using V oxide positive electrode. 60-00589P
- solar, CdS/Cu₂S films, design and fabrication. 60-01520A
- GaAs-GaAlAs, fabrication. 60-01589P
- In Sn oxide/Si. 60-02630A
- Schottky barrier. 60-00600P
- Si, formation of PN junction. 60-02733P
- SnO₂-Si heterojunction, anomalous photocurrent in. 60-01509A
- Y₂O₃, antireflective coating for. 60-02796P
- amorphous semiconductor. 60-02725P
- automatic glassing machine for. 60-03730P
- composed of semiconductive materials. 60-02790P
- film absorber of Au particles in SiO₂. 60-04048A
- glass-encapsulated arrays, method of making. 60-01288P
- relative cost of electrical energy. 60-01552A
- sealed by glass laminations. 60-00377P
- shallow-homojunction. 60-00602P
- thin film photovoltaic, with blocking layers. 60-02795P
- with windows, for radiation applications. 60-03441A
- Cellulose.**
- methyl, effect on hydration of gypsum. 60-00025A
- Cement industry.**
- 34th General Meeting of the Cement Association of Japan, review of. 60-04481B
- 4700 ton/day plant at Slite works in Sweden, design and operation. 60-02111A
- Australian, plant expansion fills demand. 60-03342A
- European, impact of environmental protection legislation. 60-00027A
- French, efforts to return to coal firing. 60-04537A
- Lafarge Concrets et Etudes, installation using numerical information control. 60-00037A
- Nihon Kamisio plant, expansion of production lines. 60-02110A
- Rombas works, conversion of. 60-04517A
- Rumelange clinker works, Luxembourg, construction and operation of. 60-02170A
- Trief process, cement plants at electric power plants reduce transportation costs. 60-03371A
- bagged products, shipping and storing. 60-02160A
- ball mills, radioisotopic study of material flow. 60-03378A
- blending beds, planning of. 60-02169A
- bulk materials, in blending piles, homogenization of. 60-02127A
- bunkers, discharge devices for. 60-02101A
- clinker burning equipment, physicochemical processes in. 60-03373A
- clinkers, grinding plant for. 60-00036A
- coal grinding plant at Laegerdorf works, control devices for. 60-02180A
- concrete offshore platforms, cathodic protection on. 60-02078A
- control of technological processes, with computer. 60-03345A
- conveyors, belt. 60-02157A
- screw, for sludge. 60-02221P
- coolers, Ljungstroom, in dust collection system, experience with. 60-02194A
- planetary, design. 60-02097A
- rotary, thermal assessment. 60-02075A
- dry process production, improvement in equipment for. 60-04542A
- emissions, from use of materials containing Ti in rotary kilns. 60-02106A
- energy conservation. 60-00923A
- through improved control of radial-flow fans. 60-02107A
- with precalciner-kiln systems. 60-02182A
- by recovering heat from dryer and kiln. 60-02873A
- environmental stress, in vicinity of plants. 60-04532A
- fans, subsynchronous converter cascade for driving. 60-02190A
- filter, counter-current packed-bed, development of. 60-02189A
- fly ash, Indian, research and use. 60-03380A
- use of. 60-02118A
- fuel conservation. 60-00034A
- using wet-process. 60-02175A; 60-02176A
- fuels, coal, safe from crisis. 60-04515A
- pulverized coal, pneumatically conveyed, regulated feed. 60-02885A
- gear drives, open-running, tribotechnical engineering of. 60-02196A
- grinding, of raw materials, comparison of roller and ball mills. 60-02086A
- grinding plants, closed-circuit, calculation of separator cooling effect. 60-02179A
- homogenizing and raw grinding plant, blending effect of. 60-02076A
- installations for transferring heat. 60-02216P
- kiln fuel, from waste tires. 60-03403P
- kiln shell deformation, effect of tyre clearance and ovality. 60-02105A
- kilns, coal firing systems, constructor's point of view. 60-02868A
- dust recovery from. 60-00055P
- with planetary coolers, experience with refractory linings of outlet. 60-02112A
- rotary, conversion to calcining furnace. 60-03405P
- rotary, dolomite, magnesite, and clay, determining fuel consumption and combustion temps. 60-02890A
- rotary, dry-process, increasing output. 60-02131A
- rotary, heat transfer in. 60-02126A
- rotary, with satellite cooler with improved support. 60-00074P
- rotary, with satellite cooling tubes. 60-00056P
- mills, air-swept, with different design features of grinding compartment. 60-02070A
- new plant at Durkee, Ore. 60-02167A
- noise emission, assessment. 60-02074A
- packing plant, Danish, modernization. 60-02154A

- particulate materials, apparatus for heating. 60-03391P
plants using coal, requirements for electrical equipment.
60-02184A
plasterboard factory at Quinto de Ebro, Spain. 60-02171A
pollution level, prognoses for licensing. 60-02172A
precipitators, dust, economy of filtering, mathematical
models. 60-02143A
electrostatic, corrosion damage to internal parts.
60-02090A
pulverized materials, transport, over long distances.
60-02195A
quality control, of portland production. 60-04543A
quarry planning. 60-02080A
quarrying, computer models for. 60-02168A
exploitation, loading, and hauling of raw materials.
60-02166A
and material preparation. 60-02178A
raw material mixture, graphic analytical calculation.
60-02121A
raw materials, new, use. 60-04571A
raw meal feed, regulating system with nuclear weigher.
60-02161A
research, in Italy. 60-02079A
need for in the 80's. 60-00019A
ropeways, aerial, low energy means of transport.
60-03363A
sack applicators, for positioning in filling lines.
60-02114A
sale of fly ash, liability pitfalls. 60-03338A
scale production, with mechanical compounding. 60-00067P
separator, recirculating air, experience with. 60-02163A;
60-02164A
shipping, automation of, in Dotternhausen works.
60-02115A
with palletless units. 60-02165A
shipping facilities, integrated. 60-02141A
silos, measurements of coating formation in. 60-02149A
slags, LD, evaluation. 60-04533A
small scale plants for developing world. 60-02187A
solid bodies, leach-resistant, from fly ash and metal
sludge. 60-00060P
titanogypsum, use of. 60-04556A
use of gypsum, from combustion gas desulfurization.
60-02177A
waste heat, power generation from. 60-00041A
wet to dry conversion, at Medusa plant. 60-02071A
- Cements.** See also *Concretes; Kilns; Mills; Mortars; Plasters; Refractories.*
500 000 ton/yr clinker plant at Gladstone, Australia,
engineering and construction of. 60-02108A
Al₂O₃, high purity, process for making. 60-00068P
C/S, beta-, hydrated, surface studies. 60-02191A
beta-, metastable state of Ca silicate hydrates in.
60-04550A
polymorphism. 60-00040A
C/A, effect of sulfonates on hydration. 60-02134A
interaction with gypsum, effect of active SiO₂ on.
60-03352A
reactions of Fe oxides with, Moessbauer study. 60-00922A
C/S, CaO/SiO₂ mole ratio of CSH. 60-03340A
formation and stability. 60-00914A
pastes, effect of curing temp. on pore structure.
60-03353A
substitution of alkalis in. 60-00930A
with and without CaCl₂, changes in zeta potential
during hydration. 60-03343A
C/S and C/S, Fe-containing, crystal-chemical
characteristics during firing and cooling. 60-04521A
C/S-pozzolana, mechanism of hydration. 60-02150A
Ca, formation kinetics. 60-00915A
with Ca aluminate added for strength. 60-04583P
Ca silicate, estimation of Ca(OH)₂ by DTA. 60-03348A
method for reaction forming. 60-02213P
2CaO·Fe₂O₃ and 4CaO·Al₂O₃·Fe₂O₃, mechanism of
hydration-hydrolysis. 60-00032A
CaO-SiO₂-NaOH-H₂O, examination at hydrothermal
pressure-free conditions. 60-04534A
Hungarian, shrinkage of. 60-03381A
K silicate, for dry gunning. 60-00077P
and Mg or Ca, process for simultaneous production.
60-00939P
as admixture, to fly ash concrete. 60-03341A
admixtures for, recent developments. 60-02144A
allite, properties. 60-00926A
properties of—comments. 60-00927A
properties of—reply to comments. 60-00928A
alkali-aggregate reaction, temp. expansion maximum.
60-02192A
from alkali-rich materials, effect of P on phase
composition and properties. 60-04526A
aluminous, curing temp. and humidity effects on strength.
60-02095A
hydration in presence of calcareous and siliceous
aggregates, SEM study. 60-02087A
refractory, hydration kinetics, effect on concrete
properties. 60-00917A
asbestos, apparatus for recycling solid wastes from
forming plant. 60-00061P
colored composite material, mfg. 60-02202P
effect of MgO on clinker phase composition and
properties. 60-04525A
ash, effect of ash and surface-active reagents on
properties. 60-04524A
- automation, of depalletizing and emptying of sacks.
60-02120A
belite, active. 60-04509A; 60-04510A
effect of alkalis on hydraulic activity of slurry.
60-04523A
rapid-setting sulfate-aluminate. 60-04562A
blended, spectrometric determination of additions in.
60-00046A
bone, composition for. 60-02992P
ceramic, properties and applications. 60-00907A
clinker, from kiln waste dust, method of making. 60-02212P
method of calcining sinterable material to form.
60-02214P
raw mix for. 60-02220P
clinker liquids, crystallization. 60-02093A
clinkering, sulfates in. 60-03383A
clinkers, F-containing, production, in mfg. rapid-hardening
cements. 60-04559A
apparatus for cooling. 60-03392P
from carboniferous shale. 60-03408P
cracking and grindability. 60-04519A
dust content, factors affecting. 60-02082A
effect of CaF₂, CaCl₂, and CaSO₄ on structure.
60-00022A
effect of MgO, R₂O, SO₃, MnO, and BaO on properties.
60-00023A
effect of Na₂SO₄ and NaHSO₄, mineral formation and
properties. 60-00026A
effect of heating rate and cooling on formation and
properties. 60-04546A
from fly ash, method of making. 60-03409P
low in S, method of making. 60-00942P
magnesiochrome, with high CaO content. 60-04547A
from moist agglomerate. 60-02210P
from moist agglomerates, apparatus for making.
60-00054P
particle size reduction and bed loading conditions.
60-02186A
portland, alite, determining modifications. 60-00021A
role of volatiles in burning and kiln operation.
60-04564A
synthesized at low temp., properties. 60-04560A
synthesized at low temp., thermal properties. 60-04573A
unhydrated, ion beam etching study. 60-00919A
volatility of Ca chlorides and fluorides during
production. 60-04580A
composites, thermal degradation of polypropylene fibers in.
60-04572A
compositions. 60-00936P; 60-00937P
for making concrete moldings. 60-00934P
and concrete, mixture. 60-00933P
constituents, production, by recovery of Al₂O₃ from fly
ash. 60-00949P
containing MgO and CaO, unsoundness of. 60-02197A
content, in mortars, post-construction estimation.
60-03376A
cooling, comparison between air separator and cooler.
60-02089A
in corrosive mediums, effect of additives on hardening
and other properties. 60-04528A
dry wall joint, and finishing compounds. 60-02203P
dust-like, thermal treatment. 60-00943P
earthen, acidic, for building materials. 60-00051P
effects of tannic acids on. 60-00911A
expansive. 60-03393P
Cedric Willson Symposium on. 60-03261B
anodic polarization of reinforced steel in. 60-04511A
experimental, made with fly ash. 60-03359A
fiber-reinforced, from glass fiber containing ZrO₂.
60-04576A
fine-grained, apparatus for heat treatment. 60-00078P
apparatus for thermal treatment with hot gases.
60-00062P; 60-00063P
process and apparatus for heat treating. 60-03413P
process for heat treating. 60-03411P
flexible materials, method of making. 60-03406P
flow behavior, changes during storage. 60-02081A
fly ash. 60-03394P
from Republika power station. 60-03385A
determination of fineness, with reference to
pozzolanic activity. 60-02166A
estimating efficiency. 60-03357A
government procurement. 60-03364A
hydration development, as measured by NMR. 60-03365A
sources of pozzolanic activity. 60-03382A
glass-, composite materials. 60-02029B
hardened, strength of. 60-00047A
hardening, accelerating agents for. 60-03386P
high alkaline, use of Ba-containing additives to
improve quality. 60-04575A
high-Al₂O₃, from waste products in Al₂O₃
production. 60-04548A
high-temp. 60-04589P
humate, utilization techniques. 60-02206P
hydration, measurement by ultrasonics. 60-02148A
hydraulic, adhesive compositions. 60-00059P
compositions for. 60-02207P
nonplastic, process for improving. 60-00065P
process for making. 60-00068P
from spent oil shale. 60-02130A
ion-polymer, water setting, glass composition for.
60-02205P
lightweight, method of cementing with. 60-00938P
- made by intergrinding carbonaceous fuel. 60-02209P
masonry, composition. 60-03400P
mfg. 60-04590P
mineralogy, microstructure, and mechanical properties.
60-02153A
minerals, secondary hydration. 60-04565A
mortar and concrete, effect of Fe(II) sulfates on
properties. 60-03354A
mud spacer, high-temp. 60-04588P
pastes, analytical electron microscopy of—comment on.
60-02085A
analytical electron microscopy of—reply to comment on.
60-02183A
determination of rate constants for hydration.
60-02100A
electron microscopy analysis. 60-03337A
electron microscopy analysis—comment. 60-03335A
electron microscopy analysis—reply. 60-03336A
hardened, acoustic emission in drying of. 60-03334A
hardened, diffusion of Ca(OH)₂ through. 60-03349A
hydrated, photoacoustic study of water in. 60-03372A
molecular relaxation, dynamics. 60-03350A
portland, proton magnetic resonance data on hardening.
60-03377A
strength-structure relations. 60-00929A
plaster, with inorganic and organic additives. 60-03374A
polyelectrolyte, aluminosilicate glasses for. 60-02240A
porosity, effect on flexural strength. 60-03360A
portland, Egyptian, expansion of mortar and concrete
made from. 60-00913A
application of thermogravimetry to. 60-02188A
basalt-containing, phosphogypsum as stabilizer in.
60-00924A
clinkers, combined effect of lignosulfonate and
carbonate on hydration. 60-02084A
clinkers, doped with CaF₂, structure and properties.
60-00048A
clinkers, effect of reaction atm on phase development.
60-00909A
clinkers, phase constitution of alite in. 60-00039A
clinkers, process for making. 60-00069P
clinkers, raw material mix for producing. 60-04593P
clinkers, raw mix for. 60-00071P; 60-00072P
clinkers, unusual form of belite in. 60-04574A
clinkers, viewed by TEM. 60-03375A
controlled hardening. 60-04516A
crystallization of liquid phase in clinker, effect of
MgO and Na₂O. 60-02094A
decorative slag, production and hardening of. 60-04558A
effect of MgO on clinker phases and properties.
60-04545A
effect of soaps on properties. 60-00024A
effect of sulfanilic acid on. 60-00910A
hydrated, limiting values for density, expansion, and
shrinkage. 60-02147A
hydrated, measuring surface area and hydraulic radius,
use of He technique. 60-02072A
hydration. 60-02129A
hydration at negative temps. 60-04540A
hydration, spectroscopic study. 60-00030A
hydration, thermal analysis. 60-00031A
improving quality of. 60-04543A
low-porosity, compressive strength. 60-00020A
microstructure development during hydration. 60-02152A
paste and concrete. 60-03285B
possibility of increasing hydration activity. 60-04555A
sag resistant. 60-00075P
separation into constituents, by selective solvents.
60-02174A
setting accelerators for. 60-03388P; 60-03389P
slag, kinetics of hydration during heat treatment.
60-03368A
use of Mn-containing additives in production of.
60-04529A
use of Mn-containing blast furnace dust in production
of. 60-04530A
portland-pozzolanic, lime reactivity and sulfate
resistance. 60-00920A
sulfate action on. 60-00931A
powdered, thermal treatment with hot gases, method and
apparatus. 60-03402P
powders, water-repellent composition. 60-00935P
pozzolanic, activity and properties. 60-00906A
compositions. 60-03410P
pulverulent materials for calcining, method for heat
treating. 60-02211P
quality, effect of alkalis circulation in kilns on.
60-02102A
quarrying, environmental protection. 60-02109A
rapid-hardening, production of F-containing clinkers in
mfg. 60-04559A
recent developments in production. 60-04563A
raw, installations for transferring heat. 60-02216P
refractory, high-Al₂O₃, process for making. 60-00058P
method of making. 60-03407P
in pseudosystem BaO-Al₂O₃-CaO-Al₂O₃-BaO-6Al₂O₃-
CaO-6Al₂O₃. 60-00043A
regenerating and reactivating, method and apparatus for.
60-04591P
reinforced, with glass fibers, strength of. 60-04874A
ring formation, segmentation study. 60-04568A
sand-cast, quick setting and rapid hardening. 60-04561A
setting and strength accelerators for, use of acid
formates. 60-03387P

- setting time, phosphogypsum as regulator. 60-04553A
silicate, additive. 60-00053P
silicate products, hydrated, with industrial refuse-lime-gypsum as raw materials. 60-04539A
slag, effect on frost resistance of concrete. 60-02133A
grinding plant with pneumatic conveyor dryer, experience with. 60-02113A
steel, soundness of. 60-04522A
supersulfated, effect of lime on hydration—correction. 60-00908A
supersulfated, hydration of. 60-04541A
sludge compositions, fly ash-limestone-scrubber, reactions in. 60-02181A
slurries, use of phthalic anhydride wastes as thinning agent. 60-04578A
spectral studies, ir and Raman. 60-03367A
strength, effect of additives and clinker composition. 60-02132A
flexural. 60-03360A
stressing, from portland cement and phosphogypsum-carbonate sinter cake. 60-00925A
sulfoaluminate expansion in. 60-04569A
systems, $\text{CaO-Al}_2\text{O}_3\text{-SO}_3\text{-SiO}_2$, hydration products. 60-00918A
 $\text{CaO-SiO}_2\text{-Al}_2\text{O}_3\text{-Fe}_2\text{O}_3$, sintered, leachability of Al from. 60-02145A
 $\text{CaO-SiO}_2\text{-Cr}_2\text{O}_3$, phase transformations in. 60-04552A
 $\text{CaO-SiO}_2\text{-Cr}_2\text{O}_3$, resistance to coating in sintering zone of rotary kiln. 60-04552A
testing, nondestructive, method and apparatus. 60-03401P
use in nuclear waste management. 60-05354A
from waste products, of Al_2O_3 production. 60-04567A
use as scrubbing medium for S oxides. 60-04584P
/water ratios, in fresh concrete, determination of. 60-03347A
white, clinkers, raw material mix for. 60-04594P
- Ceramic industry.**
in the EEC. 60-03249A
in Europe, raw materials trade. 60-03250A
in France, use of liquid fuels. 60-00651A
Ninth Australian Ceramic Conference, proceedings. 60-03286B
in Poland. 60-04901A
in U.K., outlook for. 60-05189A
air pollution, changing of rules. 60-04467A
automation, electronic, revolutions in. 60-01682A
building materials, prefabrication of compatible components. 60-00711A
combustion, unlocking secrets of. 60-04179A
computers, use for solving production problems. 60-01654A
conservation, energy. 60-00655A; 60-02022A; 60-02023A; 60-02025A; 60-05433A; 60-05743A
energy, in kiln firing. 60-05458A
energy, through constant monitoring. 60-02884A
energy, using heat exchangers. 60-02874A
fuel. 60-01691A
fuel, through combustion control. 60-01689A
containers, semibulk. 60-01651A
cooling, of heat generating operations, method and apparatus. 60-02903P
design, link between industry and market. 60-04501A
drying, tunnel and chamber, operating cost comparisons. 60-02887A
drying practices. 60-00622A
ecological aspects. 60-04469A
effects on environment. 60-03251A
effects on health. 60-03251A
electricity, self-production of, effect on power supply contracts. 60-05465A
emissions, burner, lessons in fuel economy. 60-04171A
energy, dilemma. 60-02024A
management. 60-04471A
energy surveys, national, importance. 60-01697A
energy waste, in kilns and furnaces. 60-00648A
firing, method and apparatus for. 60-04182P
microwave. 60-01698A
symmetry. 60-01702A
formulas, contemporary. 60-03269B
fuels, butane, use. 60-00659A
coal, bed combustion gains momentum. 60-04170A
coal, regulations in use. 60-04173A
decreasing consumption. 60-04174A
enrichment, with O. 60-05464A
wood. 60-04169A
health, guide for educational workshops. 60-03279B
heat exchangers, save exhaust gas heat. 60-04172A
heat pumps, aid energy recovery. 60-04177A
jet mills, "micronette", use. 60-02822A
kilns. 60-02901P
comparison of radiant and convective heating. 60-02869A
management, of plants. 60-03254A
materials handling, dust-free loading and stockpiling of dry bulk materials. 60-01650A
models, scale, use in plant design. 60-02821A
numerical control, use of. 60-03255A
object appearance, attributes of geometry and color. 60-04470A
process control systems, application of. 60-00660A
production technology, of new types of bodies. 60-03287B
quality control. 60-02019A
- raw materials, U.S., predicted crisis. 60-00853A
development. 60-04184A
exploration, prospecting methods. 60-00676A
preliminary appraisal. 60-04187A
submarginal, beneficiation. 60-00674A
roller machines, slab. 60-02827P
safety, dealing with fire risks. 60-02021A
guide for educational workshops. 60-03279B
service life of products, prediction of. 60-01772A
technical development, fifty years of. 60-00851A
technological panorama. 60-05745A
use of pegmatite. 60-05482A
use of quartz. 60-05483A
- Ceramic materials.** See also *Bodies, ceramic; Materials, raw*; and specific types.
Department of Defense, assessment. 60-00850A
analysis, X-ray, automatic loss correction. 60-05423A
carriers, porous, for release of proteins and hormones. 60-00758P
casting, in molds. 60-05748B
containing ZrO_2 , grinding-induced tempering. 60-00798A
containing tetragonal ZrO_2 , X-ray determination of transformation depths. 60-04466A
cracking, double torsion tests. 60-00771A
defects in, method and apparatus for inspecting. 60-05322P
elastic moduli, measurements. 60-00638A
failure mechanisms, high-temp. 60-04346A
fatigue, static, dynamic, and cyclic. 60-05704A
fiber-reinforced, method of making. 60-04237P
fracture energy, grain-size dependence. 60-04338A; 60-04339A
heat assembly, heated, for Stirling engine. 60-04239P
high-density, based on perovskite-group refractory oxides, preparation and properties. 60-04400A
improving susceptibility, to microwave heating. 60-00669P
industrial, technological panorama. 60-05745A
ionic, melting and boiling points versus Coulomb potential. 60-00813A
mechanical properties, at high temp., determination. 60-00632A
high-temp. measurement. 60-00635A
method for forming. 60-05326P
method of making. 60-04249P
nonoxide, densification, effect of residual strain. 60-00708A
oxides, dislocations in, climb model of. 60-00774A
laser-melted, ultrarapid quenching of. 60-02011A
low expansion, thermal expansion coeffs. for. 60-00733A
porosity, relation of creep to. 60-04415A
proof testing of. 60-00819A; 60-00820A
proprietary, erosion and wear properties. 60-00710A
reinforced. 60-04262P
self-hardening, and composite made from. 60-04263P
sinterability, apparatus for determining. 60-04142A
sintered, with improved ductility. 60-00763P
sintered bodies, method of making. 60-03014P
sintering, liquid-phase, kinetic patterns. 60-04360A
strength, effect of stresses on. 60-00784A
fracture, improvement by energy dissipative mechanisms. 60-04349A
strain-rate-dependent compressive, mechanisms responsible for. 60-03127A
structural. 60-03294B
in advanced power plants, requirements for. 60-04224A
technology. 60-03296B
thermal shock in, quantitative studies. 60-04405A
toughening, by circumferential microcracking. 60-04459A
- Ceramic-metal systems.** See also *Enamels*.
bonding, glass-metal, fundamentals. 60-00956A
- Ceramics.**
American, 1878–1978, exhibition at Everson Museum of Art, Syracuse, N.Y. 60-03312A
compositions, for electronics industry. 60-01580P
cryogenic, and apparatus. 60-01803P
electronic, optimum diamond grits for grinding. 60-02040A
engineering, property data. 60-01748A
fine, energy process parameters of tunnel kilns for. 60-05459A
glazed, of Tbilisi, produced during 9th–13th centuries. 60-03288B
heterophase. 60-00551P
with high dielectric constant, based on fused quartz matrix. 60-04835A
liquid, spectral reflectivity and emissivity. 60-01980A
low-fire, techniques for. 60-05747B
method of forming. 60-01815P
moldable, comprising sinterable solids and sacrificial binders. 60-01823P
new types of bodies, production technology. 60-03287B
oxides, structure of high-angle grain boundaries. 60-01985A
salts in, efflorescent, pore data as reference criterion for formation. 60-01316A
service life, prediction of. 60-01772A
shock resistance, thermal, nondestructive testing. 60-01676A
technical. 60-03290B
- Ceria.** See *Cerium, oxide*.
- Cerium.**
(Ce,Ta)Ta₂O₇, disordered structure, electron diffraction symmetry from. 60-05577A
CeO₂ and W mixtures, effect of Ar and N mediums during heating. 60-05605A
-containing aluminate, with melilitite structure, preparation and properties. 60-04399A
in glasses, silicate, oxidation-reduction equilibria. 60-00236A
oxide, films, method for vapor depositing. 60-01606P
suboxides, role in low-work-function surface layers, spectroscopic study. 60-02698A
- Cermets.** See also *Composite materials*.
60-02989P
Al₂O₃, optimization of cutting tools with. 60-01769A
Al₂O₃-Fe, microstructure and physical properties. 60-02961A
coatings, sputter-deposited. 60-01788A
for lamps, electric. 60-01586P
metal-porcelain, method for measuring stresses in. 60-04631A
prepared from Al titanate, silicate-containing. 60-05548P
resistor, method of making. 60-05307P
-type, magnetic materials. 60-00536P
- Chalcogenides.**
Cd, colored glasses containing, color development and kinetics. 60-03452A
Sn, reactions with A^{III}B^{VI} compounds, thermodynamic appraisal. 60-04454A
glass-forming systems, interchangeability of atoms. 60-00189A
glasses, containing divalent Eu, in system EuS-Ga₂S₃-GeS₂. 60-00117A
defects in. 60-03465A; 60-03466A
as ir transparent materials. 60-03443A
viscosity, measurement by parallel plate technique. 60-03600A
layers, process for doping Ag images in. 60-04994P
metal or mixed metal, semiconducting films, deposition. 60-01625P
- Charge.**
for electret, sintered borate glass. 60-04921P
for refractories. 60-05154P; 60-05155P; 60-05156P; 60-05158P; 60-05159P; 60-05160P; 60-05176P
high-Al₂O₃. 60-05157P
trapping, in SiO₂, study using current injection from Si-rich SiO₂ films. 60-05265A
- Checker-brick.** See *Refractories*.
- Chemical analysis.** See *Analysis*.
- Chemical properties.**
durability, of Na silicate glasses containing Al₂O₃ and ZrO₂. 60-03446A
of glasses in system SiO₂-CaO-Na₂O-R₂O₂. 60-04680A
of optical glass. 60-00986A
stability, of Zn-containing glasses during crystallization. 60-04686A
of silicates in system SiO₂-Al₂O₃-MgO-CaO-MnO. 60-04687A
- Chemistry.** See also *Electrochemistry; Geochemistry; Thermodynamics*.
of Ga, Tl, and In. 60-03264B
of catalysts, metal oxide, effect of support on. 60-00709A
crystal, of K(M,W...)₂O₇. 60-05581A
defect, in Fe aluminate spinels. 60-03039A
of glass. 60-03265B
of lime and limestone. 60-03263B
mechano-, of powdered materials. 60-05649A; 60-05650A
petro-, production of ceramic catalyst carriers used in. 60-05517A
physical, and technology, of silicates and inorganic materials. 60-00863B
- China clay.** See *Kaolin*.
- Chinaware.** See also *Art and artwork; Dinnerware; Porcelain*.
bone, production. 60-00497P
industry, expansion of A. T. Finney & Sons plant. 60-05208A
- Chlorination.**
gaseous-transport-controlled, of CoO. 60-04335A
kinetics, of ZrO₂ in rf plasma tail flame. 60-02942A
- Chlorine.**
hole traps in SiO₂ introduced by. 60-02296A
in rocks, silicate, chromatographic determination. 60-02832A
trifluoride, inserted into fluorographtite matrix, thermal decomposition. 60-03229A
- Chromatography.**
combustion-ion, determination of Cl in silicate rocks. 60-02832A
layer, Al₂O₃ for method of making. 60-00645P
- Chrome.** See *Chromium; Refractories*.
- Chromia.** See *Chromium, oxide*.
- Chromites.** See *Refractories*.
- Chromium.**
Cr^{III}/Cr^{VI}, equilibria in emerald green glasses. 60-01000A
Cr₂O₃, content in chromite ores, Cr-containing bodies, and glazes, rapid method for determining. 60-04155A
crystals, flux growth from K₂Cr₂O₇-K₂CO₃-K₂B₄O₇ mixture. 60-05614A
crystals, growth by decomposition of K₂Cr₂O₇ melt. 60-05617A
Cr₂O₃-ZrO₂, densification by sintering. 60-04296A
aventurin, glass. 60-03952A
carbide, sprayed coatings, for reactor heat exchangers, factors affecting performance. 60-01749A
-carbide-base, coatings, wear resistance. 60-01797A
chromite. 60-04183A

- ion, in Na silicate glasses, under various O pressures, state of. 60-01165A
state in silicate glasses. 60-02337A
oxide, in alkali borate glasses, oxidation-reduction equilibrium of. 60-04820A
coating, rf sputtered, for wear applications, development. 60-01744A
photomasks, boriding of, for increased abrasion resistance. 60-01732A
- Chrysotile.**
asbestos, identification by microdiffraction. 60-02838A
- Circuits.**
MOS integrated, with implanted resistor elements. 60-02743P
chip, method of making components for. 60-04072P
film, fabrication on cofired substrates. 60-02640A
integrated, Si₃N₄, passivation. 60-02974A
methods of making composite conductive structures in. 60-00585P
micro-, board, thin-film. 60-00604P
thin-film, for laser trimming. 60-00605P
printed, porcelain enameled steel substrates for. 60-03420A
- Classification.** See also *Separation; Separators.*
acoustical, for kaolin, sand, perlite, barite, and fluorite. 60-04164A
structural, of polished test specimens, according to porosity. 60-04160A
- Classifiers.** See *Beneficiation.*
- Clays.** See also *Specific types.*
Al mineral bearing, upgrading of. 60-05498P
of Andalusia. 60-01711A
of the Artemovsk deposit, production of floor tiles from. 60-03859A
from Bina and Jhingurdah mines of Singrauli coal field, physicochemical properties. 60-05222A
Devonian, determination of sulfate content in bricks made from. 60-01308A
Egyptian, electron microscopic and ir studies. 60-05611A
Friedland, muscovite-montmorillonite mixed-layer minerals in. 60-05659A
Indian, bentonite and pyrophyllite, dielectric properties. 60-04300A
use for making glassmelting pots. 60-05083A
Jhingurdah, of Singrauli coal field, use for porcelain. 60-01496A
Kerala, for structural industry, evaluation and use. 60-01310A
Kibushi and Gairome, elutriated, phase analysis of TiO₂ and Fe₂O₃ in. 60-05220A
Kirovograd, use. 60-01327A
from Tul'sk region, use in wall tiles. 60-03975A
Turkish, X-ray fluorescence analysis. 60-00903A
Wadi Gharandel deposits, use for ceramic products. 60-02501A
activation, by compaction. 60-01720P
agglomerates, process for preparing. 60-00689P
articles based on, mfg. 60-03398P
ball, from eastern Australia, evaluation. 60-02909A
bauxite, upgrading. 60-05498P
beneficiation, magnetic. 60-00682P
brick, raw, physical properties. 60-01315A
unfired, mineralogical analysis. 60-01313A
brickmaking, rheological study to determine plasticity. 60-05030A
china, from Darugiri deposits of Garo Hills, Meghalaya, India, physicochemical properties. 60-05672A
Grollet white, processing. 60-00900A
floculated slurries, batch and sedimentation behavior. 60-00480A
resources of West Bengal. 60-00675A
chlorite-montmorillonite, in Upper Precambrian formations of Siberian platform. 60-05733A
cyanotype blueprints on, method for producing. 60-00888A
dewatering. 60-01722P
dispersion, in liquid media, use of variable-sign pressures. 60-03978A
dryer for, developed by Claude Canover of Cleveland. 60-00887A
electrical properties, surface characteristics, and structure. 60-04320A; 60-04321A
expanded, Chilean, lightweight concrete with. 60-03370A
expanding layer mineral in, development by thermal and chemical treatment. 60-03057A
extrusions, laminations in. 60-02481A; 60-02482A; 60-03840A
fired, Fe oxide transformation in, effect of Ca content, Moessbauer study. 60-04372A
flow behavior. 60-00420A
foamed. 60-03863P
fuller's earth, use of mfg. by-products to reduce plasticity. 60-05474A
high bulking, method for making. 60-05491P
hydromica, sintering of body based on. 60-01321A
impurities, removal. 60-02929P
industry, future. 60-05744A
interlayered, stabilized pillared. 60-02930P
kaolin, new discoveries of. 60-05480A
pelletized, process for producing. 60-02922P
processing. 60-02917P
uses. 60-00717A
kaolinitic, under mechanical stress, effect of physicochemical properties on structural changes. 60-05475A
low-fire, techniques for. 60-05747B
machine for comminuting. 60-00625P
marly, refractories from, effect of electrolytes on composition and structure. 60-00414A
metals on, electroformed. 60-00890A
mineralogy. 60-03129A
products, pillared interlayered. 60-05542P
properties of, rheological. 60-02910A
for sanitary ware. 60-02592A
sericite, new ceramic raw materials. 60-01717A
sludges, ion-exchange and dewatering. 60-00808A
smectites in, method for determining. 60-02851A
stabilization, in U leaching and restoration. 60-05489P
storage, at brickworks. 60-02465A
suspensions, effect of peptizing agents on electrokinetic potential. 60-05201A
terra cotta, medallions struck on. 60-03969A
pavings. 60-02506P
tile, from tropical Africa, studies. 60-02911A
treatment, to prevent defects in tiles. 60-05027A
use, in Iraq, effect of climate. 60-05019A
winning, rationalization of. 60-01318A
- Cleaning.**
filter panels, method and apparatus for. 60-00626P
low-temp., in enameling industry. 60-04628A
metals, in enameling industry, methods for reducing energy consumption. 60-04630A
processes, heated lance roof. 60-02398P
- Clunkers.** See *Cement; Dolomite; Forsterite; Magnesite.*
- Coagulation.** See *Agglomeration.*
- Coal.** See *Fuels.*
- Coatings.** See also *Electrostatic processes; Enamels; Films; Glazes; Resins.*
Al₂O₃, Na beta-, method of forming. 60-02767P
on cordierite, Al₂O₃, SiO₂, porous refractories. 60-03925P
for piston rings. 60-01499P
on refractories, method of forming. 60-01812P
sprayed, formation. 60-02951A
CVD techniques. 60-05266A
Cr carbide, for reactor heat exchangers, factors affecting performance. 60-01749A
Cr carbide-base, detonation-deposited, wear resistance. 60-01797A
Cr oxide, rf sputtered, for wear applications, development. 60-01744A
MgO, on Al₂O₃, crucibles. 60-03874A
MnO₂, method for making electrodes with. 60-04069P
Nb, for joining ceramic to metal. 60-00588P
Ni alloy, secures ZrO₂, BN, or Al₂O₃ to metal. 60-02965A
Ni-flash, in porcelain enamel-to-steel bonding, mechanism. 60-04629A
Si, on ceramic substrates, continuous application. 60-05268A
Si₃N₄, photo-CVD, properties. 60-02669A
SiC, first-wall candidate materials. 60-01785A
refractory, energy savings with. 60-05075A
SiO₂, antireflection, effect on laser annealing of ion-implanted Si. 60-02705A
nonplanar, characteristics. 60-01735A
Sn oxide, correlation between electrical resistivity and microstructure. 60-00998A
Ti oxide, heat-reflective, method for applying to glass. 60-01269P
TiB₂, D and He ion irradiation effects. 60-01743A
TiN, to be etched. 60-00606P
W, for corrosion protection of Al₂O₃-based ceramics. 60-01745A
WC-Co, dc and rf sputtered, effect of bias on. 60-01523A
Zr and V oxide, on spark plug insulator. 60-03988P
ZrO₂ (Y₂O₃), thermal barrier, stability in turbine fuel. 60-02233A
analysis, using energetic ions. 60-01658A
antireflective, Y₂O₃, for solar cells. 60-02796P
process for making glass articles with. 60-04995P
aqueous metal coordination compounds, for protecting glass. 60-01216P
asphalt, for glass fibers. 60-02369P; 60-02370P; 60-02371P
bioglass, on Al₂O₃. 60-04229P
boride, on cemented carbide. 60-04230P
brick, development, to fit plant requirements. 60-05015A
carbide, Hf-Ti, on hard alloy. 60-05552P
carbon, for fusion applications. 60-01734A
for starting member used to make optical waveguides. 60-01220P
ceramic/metal, sputter-deposited. 60-01788A
clay, for paper, porosity and optical properties. 60-01485A
composition, for glass fibers. 60-02389P
containers, glass. 60-02375P
glass, method for. 60-00350P
glass, powder composition for. 60-03801P
decorative, for earthenware. 60-05238P
dielectric, and polished layer on glass support, optical properties. 60-02323A
drying of, controlled. 60-01227P
elastomeric, for glass fibers. 60-03743P
enamel, on electrodes for arc welding, composition. 60-00094P
enameled and flame-sprayed, characterization and microwave reflectivity. 60-00952A
for fibers, glass. 60-03733P
optical, laser photochemical synthesis. 60-00338P
for filaments, optical waveguide. 60-02419P
optical waveguide, method for applying. 60-03769P
flame spray, of different size converters. 60-01353A
flowable, devices for applying. 60-05239P
for fusion-reactor environments. 60-01740A
glass, in Bi-containing systems, for integrated circuits, synthesis and properties. 60-04888A
dielectric, containing polymethylmethacrylate binder. 60-04061P
of molten metal during spinning of Au filaments. 60-03541A
process for applying. 60-03804P
glass-ceramic, optimization of properties based on effect of RO-type oxides. 60-03631A
protective, crystallization in electrostatic field. 60-04747A
for glass-ceramics. 60-04922P
on graphite. 60-01800P
for graphite electrodes, apparatus for applying. 60-03918P
hard, preparation by ion beam methods. 60-01774A
heat-resistant, on Si-steel sheet, method for forming. 60-02237P
high viscosity, for Space Shuttle. 60-02945A
inorganic, on glass, method for applying. 60-03768P
low reflection, for windows. 60-03761P
metal, on glass, method for applying. 60-04967P
metallic, on glass. 60-01252P
method. 60-01223P
nonmetallic, low atomic number. 60-05281A
optical, on Si solar cell, diffusion of dopant. 60-02733P
oxide, for fusion lasers. 60-01557A
on plastics, ion plating. 60-01542A
organic, solving heat problems with. 60-00959A
oxide, electric resistance melting of frits for. 60-02902P
on glass. 60-00363P
of particles, for nuclear fuels and/or absorbing elements for reactors. 60-05404P
pipe, from cement kiln dust filler. 60-02215P
plasma-sprayed, insulating properties, evaluation. 60-00701A
plastic, on glass fibers, effect on strength. 60-01126A
protective, optically clear articles with. 60-03798P
polydimethylsiloxane, waterproofing, on glasses, effect of glass composition and thermal expansion. 60-03484A
polymeric, for glass substrates. 60-03817P
powder, method for applying to glass containers. 60-03782P
protective, gas sensor with. 60-01590P
for glass, from aqueous metal coordination compounds. 60-04918P
pyrocarbon, gas permeability, measurement. 60-05373A
pyrolytic gas method, for applying solids to graphite or ceramic articles. 60-04259P
refractory, with expanded flow temp. range and increased resistance to enamel melts. 60-05177P
low friction. 60-00747P
for tondish ladles, method of evaluating. 60-05095A
self-cleaning, articles having. 60-03425P
silicate, on metal tying wire, method for forming. 60-02238P
silicone, for optical fibers. 60-02315A
on steel, Ti, and Al, effect on physicochemical and wear properties. 60-01757A
for surfaces contacting hot glass, method of applying. 60-04968P
thermal-barrier, corrosion-resistant. 60-02225A
degradation under cycling—correction. 60-05507A
degradation under thermal cycling. 60-04204A
for gas turbines, tests at NASA. 60-01791A
plasma-sprayed, for gas turbines, behavior of. 60-04597A
thickness, device for measuring. 60-01686P
water-repellent, cement-based powder for. 60-00935P
wear-resistant, of synthetic diamond and cubic BN. 60-00876A
for whiteware, porous. 60-05236P
- Cobalt.**
Co²⁺ cation diffusion in, isotope effect. 60-03117A
chlorination of, gaseous-transport-controlled. 60-04335A
crystals, electrical properties. 60-01889A
-free, black pigments. 60-01471A; 60-03953A
no-Co/low-Co enamels, industry experience with. 60-04622A
powders, with precipitates, process of making. 60-01833P
replacement, in frit powder enameling systems. 60-04599A
- Cosilite.** See *Silicon dioxide.*
- Collectors.**
solar, all-glass. 60-00101A
effect of cover material and plastic honeycomb on. 60-03485A
glass for. 60-04774A
glass, method of making. 60-02426P
glazes for. 60-00958A
- Colloids.**
Ag, in photosensitive glasses, mechanism of formation and growth. 60-01091A
SiO₂ sols, accelerated purification. 60-00975A
TiO₂, effect of dehydration on surface characteristics. 60-00786A
chemomechanical effects, developments in theory and application. 60-01874A
production. 60-00694P

- CaO-partially stabilized, at high temps. 60-05624A
tetragonal, below transformation temp. 60-04008A
dc, in Ta chip capacitors. 60-02619A
of diamonds, temp. and frequency dependences of. 60-04447A
in films, evaporated WO_3 , mechanisms of. 60-01546A
of glass, in system As-Ge-Se with excess Se along cross
sections. 60-04734A
of glasses, Fe_2O_3 -CaO- SiO_2 . 60-03463A
 Na_2O - 3SiO_2 , with high water content. 60-00145A
Pb silicate. 60-04732A
mixed cation. 60-01030A
in system As-S-Ag. 60-04729A
in system Sb-Ge-Se. 60-04733A
systems As-Ge-Te and Se-Ge-Te. 60-03493A
of systems Na_2O - TiO_2 - B_2O_3 and Ag_2O - TiO_2 - B_2O_3 . 60-04731A
in powders, quartz. 60-03074A
radiation-induced, of Al_2O_3 . 60-03175A
of silions, alpha-. 60-04318A
of solid solutions, in system Na_2O - Al_2O_3 - TiO_2 .
60-01856A
surface, of Bi-contaminated Pb silicate glasses. 60-01177A
of glass at solid/liquid interface. 60-01178A
of quartz glasses in moist atm, effect of calcination.
60-03488A
of varistors, ZnO, under dc stress. 60-00505A
- Conductivity, electronic,**
of MgO , crystalline. 60-00789A
in Na/beta- Al_2O_3 . 60-04422A
of glasses, V_2O_5 -BaO-K₂O-ZnO. 60-04738A
semiconductor, electron characteristics. 60-04736A
- Conductivity, ionic,**
of $(\text{CeO}_2)_{1-x}(\text{GdO}_3)_{0.5x}$, sintered. 60-05589A
Li⁺, in Li niobate- SiO_2 glasses. 60-01080A
in chloroborate glasses. 60-01041A
in MgO . 60-00809A
of Sc_2O_3 -ZrO₂. 60-04358A
in Zr phosphates. 60-03113A
in $\text{Zr}_{1-x}\text{In}_x\text{O}_{2-x}$. 60-03114A
fast, in Na phosphate-borate compositions. 60-01043A
fast divalent, in Ba²⁺, Cd²⁺, and Sr²⁺- Al_2O_3 .
60-03084A
of films, Na beta-Ga₂O₃. 60-05276A
of glasses, Ag_2S -As₂S₃-AgI. 60-03569A
Li. 60-04811A
LiPO₃-LiX (X = I, Br, Cl). 60-01071A
oxide, thermodynamic approach. 60-03705A
systems AgX-Ag₂O-P₂O₅ (X = I, Br, Cl). 60-03521A
theory of. 60-00193A
high-temp., of Al_2O_3 doped with Fe and/or Ti. 60-03098A
of spinels, magnetite and Fe-aluminate. 60-04011A
super-, glasses with, in system Ag_2S -AgPO₃. 60-03693A
- Conductivity, thermal,**
of Li_2O , dependence of porosity on. 60-05677A
of Si_3N_4 . 60-05222A
of SiC, H . 60-02004A
of TiO_2 oxide, sintered. 60-01971A
of UO_2 , effect of electron-to-hole mobility ratio on.
60-05374A
effect of electronic and radiative contributions.
60-05385A
of UO_2 , sintered, pore shape and porosity factors
for. 60-02806A
of binary alloys, of system ZrC-ZrB. 60-04451A
determination, using electronic calculator. 60-04161A
of glasses, mixed-alkali. 60-04893A
porous. 60-04763A
of graphite, nuclear, effect of porosity on. 60-05366A
nuclear, effect of residual strain on. 60-05367A
hot-wire test. 60-01683A; 60-04149A
critical review and comparison with BS 1902 panel test.
60-01667A
method for measuring. 60-02844A
of mica, Indian, method for measuring. 60-05448A
in solid solutions, semiconductor, changes during phase
transformations. 60-04281A
- Conductors, electrical.** See also *Semiconductors*;
Superconductors.
NaGdSi₃O₈, preparation and characterization. 60-03165A
adhesive, high temp.-resistant, method of making.
60-01594P
glasses, ceramic. 60-05237P
refractory, ceramic. 60-01433P
- Conductors, ionic,**
Li⁺, in system Li₂GeO₄-Li₂VO₄. 60-01932A
beta- Al_2O_3 , components employing. 60-02731P
ceramic, applications for. 60-00508A
of glass. 60-00977A
shape of resistivity arcs for. 60-04857A
super-, glasses in system AgI-Ag₂O-GeO₂, IR spectra.
60-00187A; 60-00281A
- Conferences,**
2nd European Hybrid Microelectronics Conference, 1979,
proceedings. 60-00864B
2nd International Congress on Phosphorus Compounds,
proceedings. 60-04483B
9th Australian Ceramic, proceedings. 60-03286B
34th General Meeting of the Cement Association of Japan,
review of. 60-04481B
Cedric Willson Symposium, on expansive cements.
60-03261B
International Congress on Glass, report. 60-02298A
- Contacts,**
ohmic, in semiconducting oxides, formation. 60-02642A
- Containers.** See *Glass*.
Controls. See also *Feeding apparatus*; *Instrumentation*;
Temperature.
automatic, for electric glassmelting furnaces. 60-04669A
key to I.S. operation. 60-00107A
for pretreatment baths in sheet steel enameling.
60-04626A
for coal pulverizing systems. 60-02088A
flue pressure, for tunnel kilns. 60-01707P
kiln systems, to improve products. 60-02840A
for kilns, to improve products. 60-00649A
rotary, usefulness and limits. 60-04579A
thermograph system. 60-01703A
overriding, for glass-forming machinery. 60-03800P
pneumatic or electronic. 60-01677A
process, application in ceramic industry. 60-00660A
trends in glass industry. 60-03710A
for treatment of gypsum raw materials, in digester.
60-04592P
- Conveyors.** See also *Materials handling*.
belt, 3 km overland, for lime plant. 60-02155A
for cement industry. 60-00157A
drive, for glass mfg. 60-01300P
for glass sheets. 60-00327P
rolls for, ceramic. 60-02373P; 60-02374P
screw, for feeding lime or cement sludge to kiln. 60-02221P
for tiles, facing. 60-03830A
relief facade. 60-03831A
tube, taking the pneumatic out of. 60-04133A
- Coolers,**
Ljungstroem, in dust collection system, experience with.
60-02194A
planetary, design. 60-02097A
rotary, in cement industry, thermal assessment. 60-02075A
for dolomite, magnesite, and clay rotary kilns. 60-02185A
- Cooling,**
of cements, comparison between air separator and cooler.
60-02089A
clinkers, cement, apparatus for. 60-03392P
edge stretching rollers, for making flat glass. 60-0309P
of heat generating operations, method and apparatus.
60-02903P
rate, of O-free chalcogenide glasses, effect on optical
constants. 60-03558A
effect on formation and properties of cement clinkers.
60-04546A
super-, of ZnCl₂-urea glass-forming melt, NMR spectro-
scopic study. 60-03614A
systems, for glass molds. 60-02376P
- Copper,**
 Cu_2S - MoS_2 , positional disorder and nonstoichiometry in.
60-04396A
 Cu_2S , electron diffraction study of ordering process in.
60-01530A
 $\text{Cu}_2\text{V}_2\text{O}_7$, bronzes, thermodynamic study. 60-03234A
 CuFeO_2 , in system Cu-Fe-O, oxidation kinetics. 60-03145A
 CuInS , sputter-deposited films, growth and properties.
60-01534A
and Mn, in soda-borate glasses, interaction between,
ESR study. 60-00188A
-Ni converters, use of periclase-spinel refractories in.
60-01379A
alloyed with Ti, wetting of Al_2O_3 by. 60-00525A
dross, production of glasses from. 60-04908A
in glasses, Li aluminophosphate, effect of composition
on special properties. 60-00139A
binary oxide, EPR studies. 60-03647A
diffusion and oxidation of. 60-01015A
glasses containing, photoinduced transition and color
center in. 60-03637A
oxide, dielectric with perovskite structure containing,
method of making. 60-00581P
- Cordierite,**
and alpha- Al_2O_3 , separation device. 60-02570P
bodies, high strength low expansion, method for making.
60-01602P
chemical modifications of. 60-00841A
extruded, thermal expansion of. 60-01793A
glass-ceramics, Mn, method of making. 60-00354P
sintered, mineralogy and properties. 60-02312A
thermal expansion. 60-04894A
saggers, plastic pressing. 60-01382A
slabs, refractory. 60-01339A
thermal expansion. 60-00841A
whiteware, high strength. 60-03987P
- Cores,**
foundry, method of making. 60-00468P
graphite/ Al_2O_3 , low density, method for firing.
60-02753P
low density, setter for firing. 60-00452P
- Corrosion,**
 H_3PO_4 , of Ca aluminosilicate glass. 60-00114A
of Mo carbide, in acid and alkaline solutions. 60-01741A
of SnO_2 , by fused borax, effect of electric field on.
60-04308A
of concretes, in workshops for production of Al_2O_3 .
60-04518A
electrochemical, of Fe Mn aluminate spinel and La chromite
in molten K sulfate. 60-01890A
of electrodes, SnO_2 , in Pb glassmelt, effect of dc on.
60-03486A
of enamels, glass. 60-03418A
porcelain, in aqueous media. 60-03422A
- of glasses, effect of SiOH , CaOH , and KOH ion groups.
60-01077A
effect of glass-surface-area-to-solution-volume ratio.
60-04726A
study by electronic treatment of digitalized X-ray
images. 60-01107A
of glasses. 60-00085A; 60-02228A
of precipitators, electrostatic, used in cement industry.
60-03790A
protection of Al_2O_3 -based ceramics, development of W
coatings for. 60-01745A
of refractories, AZS and fireclay, in contact with Pb
glasses. 60-03880A
water cooled, by basic coal ash slag. 60-03876A
of roof structure, of glassmelting furnaces. 60-04693A
of steel, in concrete. 60-02142A
stress, of Al_2O_3 substrates during wet processing,
susceptibility of. 60-00523A
- Corundum.** See also *Aluminum oxide*; *Refractories*.
-baddeleyite, tank blocks, effect of molten glass on.
60-05090A
crystals, cause of bubbles in. 60-05571A
optical-grade, dislocations in. 60-05595A
dielectric properties, effect of raw materials on.
60-00503A
dissolution of, thermal. 60-04453A
-graphite, submersible nozzles for casting of steel.
60-00404A
grinding wheels, relation between structure, elasticity,
and grinding behavior. 60-04488A
polycrystalline, with definite density and light-
transmittance, production of. 60-04828A
refractories. 60-01455P
effect of additives on electrical properties and
interaction with steel melt. 60-00413A
for furnaces used in melting Al alloys. 60-01410A
reaction with Na phosphates. 60-03905A
reinforcement with mullite whiskers. 60-00444A
for slide valves of ladles, production and performance.
60-00434A
transparent, microstructure. 60-05655A
-type compounds, hydrostatic compression. 60-03101A
- Couplers,**
microlens, laser to fiber. 60-02251A
for optical fibers, concentric core. 60-03737P
method of producing. 60-02428P
- Coupling,**
GaAlAs laser-fiber, high index microlenses for. 60-02647A
of diodes, GaAlAs DH laser, to Ti:LiNbO₃ waveguide.
60-00502A
efficiency, in channel waveguides, measurement of.
60-00210A
fiber, using graded-index rod lenses. 60-01045A
flip-chip, between fibers and LiNbO₃ channel waveguides.
60-02649A
laser diode, to LiNbO₃ waveguide, analysis. 60-02241A
of selected modes, in optical waveguides, method.
60-01270P
- Cracking,**
apparatus, resonant-fatigue. 60-02853A
brittle, and grain boundary sliding, deformation and
failure caused by. 60-04295A
of ceramics, in double torsion tests. 60-00771A
of glasses, during high-temp. scratching. 60-03467A
micro-, in brittle composites. 60-02959A
circumferential, toughening of ceramics by. 60-04459A
stress induced, at second-phase inclusions. 60-03204A
velocity equations, dependency of fatigue predictions on
form. 60-04297A
- Cracks.** See also *Defects*; *Fracture*.
in Al_2O_3 , effect of testing rate on slow growth of.
60-05629A
in MgF_2 , slow growth of. 60-05636A
branching, in transformation-toughened ZrO_2 . 60-05578A
curvilinear, stress intensity factors, calculation.
60-00640A
depth, apparatus for measuring. 60-04168P
drying, in bricks, prevention of. 60-05020A
in glasses, adding static and dynamic fatigue effects to
Weibull distribution—correction. 60-00098A
borosilicate, effect of phase separation on growth.
60-00143A
leading to catastrophic failure, effects of liquids
on growth. 60-00136A; 60-03477A
impact, on annealed and tempered flat glass. 60-00182A
initiation and propagation, beneath moving sharp indenter,
mechanics of. 60-01670A
interaction, effect on strength of thermally shocked
brittle materials. 60-05601A
micro-, in brittle materials, grain-size dependence of
initiation. 60-03092A
in glasses, segregation at tips. 60-04856A
and macro-, growth in Al_2O_3 refractories. 60-03895A
process for detection. 60-01687P
particle impact damage, in Si_3N_4 . 60-04379A
propagation, kinetics analysis theory. 60-02000A;
60-02001A
radial, in glasses, post-indentation growth of. 60-04830A
rectangular specimen, with constrained ends, load-
displacement relation for. 60-00637A
slow growth, in brittle materials, effect of testing
procedure on determination of fracture parameters.
60-05628A

- and lifetime prediction. 60-05699A
spherical void and surface pit, refinement of stress intensity factor estimates for. 60-01964A
subcritical, extension measurements with double torsion specimens. 60-05711A
extension of. 60-05574A
growth in partially stabilized ZrO₂. 60-01989A
surface, in glass, caused by alkaline solution. 60-02293A
tip dislocations, in MgO. 60-04288A
- Creep.** See also *Fatigue*; *Plasticity*.
of NaCl, containing dispersion of Al₂O₃. 60-00779A
in Si₃N₄, hot-pressed. 60-00778A
in brickwork, in cavity walls and piers. 60-03832A
cavities, energy variations in diffusive growth of. 60-01893A
of ceramic bodies, relation to porosity. 60-04415A
of dolomite, effect of variations in composition on. 60-03107A
high-temp., of Al₂O₃ doped with Fe and/or Ti. 60-03098A
of refractories, mullite. 60-00405A
thermal, of Nb₂O₅-doped UO₂, effect of O₂ potential. 60-04108A
torsional, of phosphate-bonded Al₂O₃, effect of additives on. 60-05100A
of phosphate-bonded kyanite and diaspore. 60-03915A
- Crystallite.** See also *Silicon dioxide*.
cores, for casting steel and iron alloys. 60-01439P
in glasses, quartz, quantitative X-ray analysis. 60-01142A
quantitative determination, by thermal methods. 60-04404A
- Crucibles.** See *Refractories*.
Crushing apparatus. See *Mills*.
Crushing. See *Crushing apparatus*; *Mills*.
Cryolite.
crystalline, preparation. 60-00687P
high purity, from fluoride solution containing SiO₂. 60-02442P
- Crystalline materials.**
Al₂O₃, chemical diffusion in. 60-00772A
translucent, with in-line transmission, method of making. 60-00345P
BN, superhard, method of making. 60-00757P
Ca₂ZnTi₂O₇, new type structure, preparation and identification. 60-03166A
K₂TaF₇O₄, structure. 60-05708A
La₂SiO₅N₃, growth by floating zone method. 60-00828A
LnNbO₄ (Ln = La, Nd), symmetry determination of room-temp. form by electron diffraction. 60-05714A
MgAl₂O₄, fracture of. 60-00795A
room-temp. K₁C values for. 60-03183A
MgO, characterization of grain-boundary segregation. 60-04283A
electronic conductivity of. 60-00789A
Na aluminosilicate, process for preparing. 60-02921P
Na⁺-conducting. 60-00358P
Si, deposition of. 60-02765P
additives, for Mg aluminosilicate. 60-00742P
cleaving, process for. 60-02783P
composites, in systems WC-Co and TaC-Co, Cr, Ni, Al alloys. 60-05506A
cryolite, preparation. 60-00687P
diamond and/or BN, method of making. 60-00756P
flaw character and strength, effect of grinding direction. 60-04309A
grain boundaries in. 60-00796A
grain size, determination. 60-03094A
grinding, effect of number and size of milling balls. 60-05410A
growth method for. 60-05327P
layers, growth method for. 60-02732P
oxides, formulas relating temp. with thermodynamic properties. 60-04332A
poly-, apparatus and method for making. 60-02726P
rods, method for sawing. 60-01600P
semiconductors, method of forming sheets. 60-05329P
silicates, boro-, process for making. 60-05530P
and hydrocarbon-conversion processes using them. 60-02995P
solids, irradiation effects. 60-02030B
strength, grain-size dependence. 60-03093A
tetrahedral and octahedral, space symmetry. 60-03200A
zeolite, synthesis and use. 60-02996P
- Crystallites.** See *Crystals*; *Structure*.
Crystallization. See also *Crystals*, *growth*.
of BaO-Fe₂O₃, without melting. 60-01868A
of LiPO₃, from its own melt, mechanism. 60-04799A
of PbTiO₃, amorphous. 60-00501A
of Se, effect of experimental factors. 60-03489A
of SiC, kinetics. 60-05645A
capacity, of glasses in system Na₂O-B₂O₃-Al₂O₃-ZrO₂-SiO₂. 60-04752A
of glasses, relation to viscosity and chemical composition. 60-04852A
catalysts, effect on SiO₂-Al₂O₃-Li₂O glass-ceramics. 60-04859A
of coatings, protective glass-ceramic, in electrostatic field. 60-04747A
of films, garnet Er₂Al₂Ga₂O₁₁, from melt. 60-05585A
in glass-ceramics, beta-spodumene, kinetics. 60-03575A
of glasses, DTA study. 60-01074A
Fe aluminosilicate, effect of composition on. 60-04716A
M₂O-2SiO₂ (M = Li, Na, K). 60-01075A
Na disilicate, containing Fe oxides, Ir study. 60-01065A
Ti, effect of BaO/SrO ratio. 60-01020A
Zn-containing, chemical stability during. 60-04686A
alkali germanate, spectroscopic study. 60-00255A
anorthite, DTA study. 60-02258A
anorthite-wollastonite-tridymite, effect of Na₂O, ZnO, and MnO on. 60-03482A
fibrous Ca metasilicate. 60-02256A
and glass formation. 60-01111A
ion-implanted Li₂O-2SiO₂ and SiO₂. 60-01002A
kinetic study by scanning calorimetry. 60-04787A
pyroxene, effect of additives on. 60-04721A
slag-based. 60-01110A
in system Li₂O-Al₂O₃-SiO₂-TiO₂, effect of Sn addition on. 60-01028A
in system Li₂Si₂O₇-TiO₂, determination by Raman spectroscopy. 60-04877A
in system Na₂O-CaO-Al₂O₃-SiO₂, to obtain glass-ceramics. 60-01001A
in system SiO₂-Al₂O₃-MgO-CaO-MnO. 60-00296A
grain growth, inclusion controlled, theory. 60-01999A
hydrothermal, of Na zirconogermates. 60-01909A
induced, of glass-forming systems. 60-04771A
laser, of Ge films on SiO₂, solid-phase grain growth during. 60-02706A
lattice parameters, of solid solutions of oxides with perovskite structure, calculation of. 60-01848A
of liquid phase, during clinkering. 60-02093A
in portland clinker, effect of MgO and Na₂O. 60-02094A
nonisothermal, of disilicate glasses. 60-04812A
process, double crucible. 60-02734P
of quartz, role of density of solution. 60-03182A
re-, of MoSi₂, effect of additives on. 60-04306A
regrowth, patterned epitaxial, using pulsed irradiation. 60-01616P
routes, effect on properties of glass-ceramics. 60-01024A
of slags, synthetic blast furnace, by TiO₂. 60-02092A
surface, of Na₂O-2SiO₂ glasses and melts, study based on IR spectra. 60-02341A
in system GeO₂-2Na₂O-9GeO₂. 60-00126A
- Crystallography.**
X-ray, of Al₂B₂C₂. 60-03212A
floating-solvent method, isothermal variant of. 60-01915A
- Crystals.** See also *Specific types*.
Al₂O₃, R-plane single, method for producing. 60-00569P
impurity striation in. 60-00805A
prismatic slip under hydrostatic pressure. 60-05680A
radiation-induced conductivity. 60-03175A
Au(III) oxide and oxychloride, structure. 60-03091A
Ba hexaaluminate, Czochralski growth. 60-01870A
(Ba₂-Sr)₂TiSi₂O₈, surface acoustic wave characteristics. 60-03210A
BaO-Fe₂O₃, prepared without melting. 60-01868A
BaTiO₃ and Gd₂(MoO₄)₃. 60-05639A
mechanically compressed, dielectric constants. 60-01875A
BaZnGeO₄, growth and properties. 60-01902A
BeO, growth. 60-01592P
lattice dynamics. 60-03118A
mono-, large, low defect, method of growing. 60-00574P
Bi₂WO₆, growth of. 60-04289A
CaGeO₄, structure of. 60-05582A
CdSnP₂, growth, using temp. gradient. 60-01901A
(CeO₂)_{0.8}(GdO₂)_{0.2}, sintered, density and ionic conductivity. 60-05589A
CoO, electrical properties. 60-01889A
Cr₂O₃, flux growth from K₂Cr₂O₇-K₂CrO₄-K₂B₂O₇ mixture. 60-05614A
growth by decomposition of K₂Cr₂O₇ melt. 60-05617A
CuCl, in glass-forming matrix, exciton absorption by. 60-04742A
Dy₂(MoO₄)₃, growth and properties. 60-01903A
Fe₂TiO₄, magnetization and Moessbauer spectra study. 60-04226A
GaAs, B-implanted Si₃N₄, capped, annealing of damage and redistribution of Cr. 60-02606A
Sn-doped, nature of defects in. 60-01930A
incorporation of B during growth. 60-02654A
surface morphology during etching with aqueous vapors. 60-04438A
GaAs and Si, Cr concentrations, depth distributions, and diffusion coeffs. 60-02614A
GaN, second harmonic generation. 60-01969A
GaP, semiconductors, technique for growing. 60-00548P
GeTe, defect structures of high-temp. modification. 60-00781A
II-VI, method for purification. 60-03003P
IVa-diborides, growth from metal solutions. 60-05694A
K₂(β-SiMoW₁₀O₄₀)·9H₂O, structure. 60-05583A
KCl-KBr, dislocation density and microhardness. 60-01877A
LPE, rinse melt for. 60-05346P
(La₂O₃)_{0.8}(CeO₂)_{0.2}, EPR of Mn²⁺ doping. 60-03065A
La₂O₃-B₂O₃-2MoO₃ and La₂O₃-B₂O₃-2WO₃, structure and synthesis of. 60-00832A
La₂SiO₅N₃, floating zone growth of. 60-00828A
LaB₆, thermionic emitters, surface analysis. 60-01990A
LaSi₃N₅, study. 60-01869A
Li₂CoSiO₄, beta-irradiated, disordered structure. 60-05596A
LiNbO₃, from borate, vanadate, and tungstate melts. 60-01867A
electrooptic properties. 60-05586A
growth of. 60-05618A
LiTaO₃, study of color center translocation. 60-01949A
LiZn[BO₃] and LiMn[BO₃], structure. 60-01860A
MgAl₂O₄, radiation damage in. 60-03174A
relation between thermochemical treatment and transparency. 60-03179A
MgCaO₂, growth by PbO-PbF₂-B₂O₃ flux method. 60-04340A
MgO, Fe/MgO, and Cr/MgO, dielectric behavior. 60-03059A
Li imprinting of slip bands in. 60-00804A
atomic C in. 60-04273A; 60-04274A
coagulated, thermal emission spectra. 60-04452A
dislocations, strength and dynamic behavior. 60-02016A
effect of high-temp. deformation on plastic properties. 60-05603A
exchange energies of Fe ions in. 60-00792A
surface damage from abrasion and heating, penetration of. 60-04380A
Mn₂(BO₃)₂, synthetic jímboite, structure. 60-01862A
MnTiO₃, precipitation in, preferentially oriented. 60-04398A
Na₂CoGeO₄, structure. 60-03052A
in 2Na₂O-CaO-3SiO₂ glass, nucleation rates. 60-01166A
Na₂Sc₂(PO₄)₃, structure determination. 60-01873A
Na₂YSc₂(SiO₄)₃, structure. 60-05584A
NaCl, Eu²⁺-doped, oriented growth and structure of phases precipitated in. 60-05662A
NaNd(MoO₄)₃, growth from ternary system Nd₂O₃-MoO₃-Na₂CO₃. 60-04341A
NaTaO₃, structure, determination by neutron powder diffraction. 60-04435A
Nb₂-Ti₂O₇, structural features. 60-04429A
NbB₆, hardness of. 60-05620A
Nd, fluorescence quantum efficiency and laser emission cross sections, determination. 60-02622A
Nd₂GeO₄, structure. 60-01863A
Ni-Zn ferrite, growth from melts of BaO-B₂O₃-ZnO-NiO-Fe₂O₃. 60-04018A
NiO, IR absorption in. 60-03108A
Pb germanate, EPR of Cd in. 60-01747A
Pb silicate, silicate anion constitution of. 60-03667A
Pb₂-Sn₂-Te₂, method of growing. 60-02768P
Pb₂Nb₂VO₄, X-ray preparation of. 60-05675A
Pb₂RhO₄, structure. 60-04433A
Pb₂(SiO₄)(VO₄), growth and elastic properties. 60-00799A
Sc₂CoSi₂ and Sc₂CoSi₃, structure. 60-01865A
Sc₂(PO₄)₃, structure. 60-01861A
Si, Czochralski-grown, O striation and microdefects. 60-03146A
Czochralski-grown, formation process of oxide precipitates. 60-03088A
Czochralski-grown, homogeneous nucleation of oxide precipitates. 60-03100A
Czochralski-grown, precipitation and redistribution of O. 60-03164A
erosion. 60-00791A
laser-induced CVD from SiCl₄. 60-02663A
method of restoring lattice after neutron irradiation. 60-05401P
square, Czochralski growth of. 60-01871A
SiC, 6H, thermal conductivity and electrical properties. 60-02004A
SiO₂, 3-dimensional symmetry of lattices. 60-05663A
TaB₆, growth. 60-01970A; 60-05695A
TiB₂, high-temp. hardness. 60-05621A
TiO₂, defect chemistry and electrical properties. 60-04293A
(U,Pu)O₂, mixed, method of making. 60-01647P
U₂CoSi₂ and ZrCoSi₂, crystal structures. 60-01866A
URu₂B₂, structure. 60-05360A
VO₂, synthesis and properties. 60-04440A
Y₂Al₂O₇, crystallization kinetics and growth mechanism. 60-01978A
growth from solution-melts, kinetics of. 60-01917A
Y₂Fe₂O₇, optical study of spin and magnetoelastic waves during magnetic pumping. 60-04034A
YAG, Nd-doped, self-decorated dislocations in. 60-05693A
with Ti impurity, growth conditions of. 60-01904A
anisotropy of brittleness. 60-05557A
doped with Ti impurity, colored centers in. 60-01853A
YIG, growth from high-temp. solutions. 60-04017A
process for producing. 60-04093P
YPO₄, ScPO₄, and LuPO₄, EPR study of Gd³⁺ in. 60-03064A
ZnWO₄, scintillation study. 60-03185A
ZnO, with intermediate layer of metal oxides, varistor model. 60-05304A
ZnSe, anharmonic temp. factors, XRD determination. 60-05556A
of alkaline tungstates, synthesis. 60-03215A
alpha Al phosphate, method of growing. 60-02769P
antireflective, effective optical constants of. 60-01886A
antiinfection-coated, mechanisms of laser-induced failure. 60-03603A
apparatus and method for making. 60-02726P
apparatus for pulling. 60-01577P
arising at working end of glassmelting furnaces, analysis of. 60-04663A
bulk, of Li₂O-SiO₂ glasses, SEM study. 60-04855A
chrysoteryl and beryl, method of making. 60-00579P
cleaving, process for. 60-02783P
corundum, causes of bubbles in. 60-05571A
optical-grade, dislocations in. 60-05595A
deposition, from plasmas of ZrO₂, HfO₂, and ThO₂, and CeO₂-correction. 60-05269A

dickite, unusual crystal habit and structural disorder. 60-03058A

doubly refracting, principal refractive indices, Duc de Chaulnes determination. 60-01666A

electronic, flexible, self-supporting blade for cutting. 60-00546P

emerald, growth by flux method. 60-04290A

fiber, for ir waveguides, growth of. 60-00175A

flaw character and strength, effect of grinding direction. 60-04309A

float zone apparatus. 60-00676P

growing, behavior of foreign particle near face. 60-00768A

growing from melt, capture of foreign particles by. 60-00793A

growing from melt with impurities, capture of foreign particles by. 60-00769A

growth of. 60-04059P; 60-04064P

by LPE. 60-04078P

in $\text{Na}_2\text{O}-2\text{CaO}-3\text{SiO}_2$ glass. 60-00125A

apparatus for controlling. 60-04050P

apparatus for monitoring. 60-05305P

choice of mineralizer for hydrothermal synthesis. 60-00773A

computer models. 60-03047A

by controlling additions to melt. 60-02737P

double crucible process. 60-02734P

method and apparatus. 60-02747P

method of avoiding undesirable deposits. 60-02749P

process and device for. 60-01622P

growth system, semiopen LPE. 60-04100P

hardness, scratch and indentation. 60-04418A

hydroxyfluorides of Zn and Cd, crystal structure. 60-01864A

lattice parameters, of solid solutions of KCl-NaCl. 60-00780A

layers, method for bonding to substrate. 60-02762P

leucosapphire, growth. 60-05619A

method and apparatus for making. 60-00560P

method for growing. 60-04070P

mfg., apparatus. 60-04051P

monoxides, transition metal, crystal growth by skull melting. 60-00829A

needle, MW, O_2 -KCl flux growth, effect of M (M = Mg, Ca, Ba) ions. 60-04314A

nitride, growth of. 60-04032A

olivine, synthetic, structure. 60-03053A

oxide, vibrational state, spectroscopic study. 60-00801A

piezoelectric, adjusting frequency by fracturing. 60-00527P

prostitute, ferroelectric-semiconductor. 60-01961A

pseudonixial, domain structures in. 60-03063A

quartz, alpha-, Renninger effect in. 60-05689A

effect of growth conditions on ir absorption spectra. 60-05602A

internal nucleation of melting. 60-01067A

method of growing. 60-03004P

subminiature vibrator, method for making. 60-01599P

ribbon, apparatus for lateral pulling growth. 60-00554P; 60-04068P

growing without thermal shock-induced strains. 60-00557P

method of growing and controlling width. 60-00573P

for scintillator. 60-05308P

for semiconductors, control of growth by electromagnetic radiation. 60-03999A

single, extrusion mold and method for growing. 60-00544P

films, process for making. 60-00596P

method for polishing. 60-00567P

rods, apparatus for zone pulling. 60-00531P

stresses in, residual, method for reducing. 60-02761P

synthetic, for alexandrite gem. 60-01634P

systems, $\text{Na}_2\text{O}-\text{Fe}_2\text{O}_3-\text{SiO}_2$, Moessbauer study. 60-01103A

tobermorite and Ca silicate hydrate, formed within polymer concretes, effects of. 60-03356A

uniaxial, absorbing, optical properties, determination of. 60-01011A

whisker growth, in GeSe_2 films, induced by Ag photodoping. 60-05738A

wustite, thermoelectric power, measurement. 60-04029A

Curing.
temp., effect on pore structure of C,S pastes. 60-03353A

Currents.
electric, multiphase, in glassmelts. 60-04809A

electrode, density, of Na beta- Al_2O_3 . 60-00509A

metal-nitride-oxide-Si, at constant oxide fields, temp. dependence of. 60-05721A

photo-, anomalous, in SnO_2 -Si heterojunction solar cells. 60-01509A

polarization, thermally stimulated, in Na germanate glass. 60-02346A

thermally stimulated, in Na silicate glasses. 60-02345A

thermo-, initial ionic, in CaF_2 films. 60-02658A

Cutting.
crystals and substrates, electronic, blade for. 60-00546P

fibers, optical. 60-03628A

glass, apparatus for. 60-01214P; 60-04940P

gobs, device for. 60-01228P

safety. 60-04769A

laser, of ceramic tubes. 60-02823P

in production of auto headlights. 60-03579A

use in making semiconductor devices. 60-00578P

semiconductor materials, apparatus for. 60-05309P

wafers, method of. 60-00583P

Cutting tools. See *Tools*.**Cyclones.** See *Separators*.**Decay,**

hologram, in $\text{LiNbO}_3:\text{Fe}$. 60-05626A

on-state, in NbO_2 . 60-03137A

Decomposition.
heat, accuracy of spectroscopic determination. 60-05554A

spectroscopic estimation of. 60-05703A

of powders, sialon, during plasma spheroidization. 60-04292A

of raw materials, glass-forming, thermogravimetric and gas-chromatographic study. 60-01186A

of solid solutions, of KCl-NaCl. 60-00780A

spectral, biased, in glass. 60-03440A

of sulfates, Al, and resultant aluminas. 60-05587A

thermal, of CaCO_3 , kinetics of. 60-01882A

of Cl trifluoride inserted into fluorographite matrix. 60-03229A

of Ge oxynitride—correction. 60-05724A

of Li tetrafluoroborate. 60-03228A

of Si_3N_4 -22 wt% Al_2O_3 alloy. 60-01792A

of alkaline earth peroxides. 60-05723A

of oxynitride of Ge. 60-03230A

of rare earth-Al borates. 60-02005A

Decoration. See also *Art and artware*; *Color*; *Engobes*; *Glazes*.

colors, ceramic, brown. 60-01468A

decals systems, color control in. 60-01472A

decals, ceramic, basic principles. 60-01466A

ceramic, machine application to hollow whiteware. 60-01463A

of earthenware, coatings for. 60-05238P

flaw, of Na beta- Al_2O_3 . 60-00509A

of glass, Czechoslovakian techniques. 60-03464A

flat, 60-03510A

flat and container. 60-02259A

and glass-ceramics, nontoxic frits for. 60-00359P

by laser. 60-00199A

mugs, new machine solves problem. 60-02317A

papers presented at 17th Annual Seminar of Society of Glass Decorators, 1980. 60-04479B

of glassware, with air bubbles. 60-02377P; 60-03738P

mechanical, development. 60-05408A

on-glaze, of whiteware, use of transfer pictures with. 60-01476A

surface, of glass articles. 60-01304P

on whiteware, method of. 60-03991P

three-color, of glass. 60-01187A

transfers. 60-01507P

of whiteware, Harrison Mayer's facilities for mfg. glazing products. 60-05214A

by banding and spraying. 60-01464A

having Au appearance. 60-03984P

using computer graphics. 60-05198A

Defects. See also *Cracks*; *Crystals*; *Enameling*; *Enamels*; *Fracture*; *Glass*; *Structure*.

in GeO_2 , neutron bombarded and Ge-rich vitreous, Raman spectra of. 60-01555A

and acoustic emission, relation between. 60-04414A

in beta- Al_2O_3 , Mg- and Li-stabilized, electron microscopy images. 60-03097A; 60-03044A

in beta- Al_2O_3 , strength-controlling. 60-01789A

bird swing, in glass containers, detection of. 60-02378P

blisters, formation on surface of glass-ceramic plates. 60-00990A

in ceramic materials, method and apparatus for inspection. 60-05322P

charged, in vitreous SiO_2 . 60-01851A

of concretes, deposition of impregnated Na water glass in. 60-02096A

crystalline, in commercial glasses. 60-04695A

in crystals, Sn-doped GaAs, nature of. 60-01930A

in enamels, porcelain, caused by improper production procedures. 60-04639A

in fibers, C, high strength, from mesophase pitch, analysis of. 60-01730A

fractures, micro-, role in thermal conductivity of refractories. 60-01400A

flaw growth, in static fatigue, micromechanics. 60-04369A

flaw populations, concurrent, in SiC—correction. 60-04284A

flaw tips, microscopic, segregation at. 60-04856A

in glasses, chalcogenide. 60-03465A; 60-03466A

high-grade and container, detection of. 60-05751B

inclusions, NIS, in glass. 60-02319A

NIS, in glass, fracture mechanics of microcracking about. 60-00167A

internal, use of scanning laser acoustic microscope for finding. 60-02854A

intrinsic, in fused SiO_2 , generation mechanisms. 60-00192A

lamination, in clay extrusions, cause and cure. 60-05021A

location of, using tomography. 60-04148A

micro-, in Czochralski-grown Si crystals. 60-03146A

point, anomalous dielectric properties of PbTiO_3 , caused by. 60-05260A

populations, concurrent, in SiC. 60-03048A

quenched-in, in UC and UCN. 60-05383A

radiation-induced, in quartz glasses and optical fibers, kinetics of. 60-03777A

roll marks, on glass sheets, method for reducing. 60-03776P

in semiconductors, laser annealed, passivation of. 60-04085P

semieliptical flaw, in glass surface, method of producing. 60-02330A

specks, black, in colored Ti enamels, analysis of. 60-04598A

structure, of Fe-doped MgO . 60-04326A

in nonstoichiometric metal oxides. 60-03054A

surface, effect on strength of Al_2O_3 , high tension insulators. 60-05202A

in macroporous glass, localization of. 60-03519A

method for measuring depth. 60-05454P

in structural ceramics, detection by scanning photoacoustic spectroscopy. 60-05520A

in tiles, prevention, by treatment of raw materials. 60-05027A

in tubes, glass fiber-reinforced plastic ultrasonic testing for. 60-03713A

Deflocculation. See *Dispersion*.**Deformation,**

of PZT. 60-04013A

in ZrO_2 , partially stabilized, mode of. 60-04371A

of bricks, clay, effect of raw materials and production methods. 60-02480A

of ceramics, polycrystalline, four-point bend tests. 60-01982A

elastic, in solid solutions 90 mol% $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ -10 mol% PbTiO_3 . 60-01913A

and failure, caused by grain boundary sliding and brittle cracking. 60-04295A

of glass, approach to scoring and breaking. 60-00128A

of glasses, during high-temp. scratching. 60-03467A

nonelastic, significance in fracture of refractories. 60-02528A

normalized, for kaolin—discussion. 60-01876A

parameters, for kaolin. 60-01935A

properties, of glass surfaces after ion exchange. 60-00119A

shear, under pyramidal indentations in $\text{Na}_2\text{O}-\text{CaO}$ glass. 60-00266A

Dehydration,

of Al sulfate hydrates. 60-03055A

of boehmites, kinetics. 60-04363A

kinetics, of synthetic zeolites in alkali metal forms. 60-05514A

thermal, effect on surface characteristics of TiO_2 gel. 60-00786A

Dehydroxylation. See *Decomposition, thermal*.

Densification.
of Cr_2O_3 - ZrO_2 , by sintering. 60-04296A

of PLZT, during hot-pressing, kinetics. 60-05280A

of Si_3N_4 , reaction-bonded. 60-00704A

of TaN-ZrB₂-ZrN and TaN-ZrB₂-WC. 60-05508A

in-pile, of intergranular porosity in UO₂ and ThO₂. 60-05371A

low-temp., of PZT with V_2O_5 additive. 60-05282A

of milling products, effect of granulometric characteristics. 60-05411A

of nonoxide ceramics, effect of residual strain. 60-00708A

of sialons, during reaction hot-pressing, mechanisms. 60-00720A

Density.

of $(\text{CeO}_2)_{0.2}(\text{GdO}_3)_{0.8}$, sintered. 60-05589A

of SiC, effect of heat treatment on. 60-05364A

bulk, of granular refractories, errors in determination. 60-03887A

of periclase aggregates, determination by water method. 60-03869A

carrier, in $\text{Cd,Zn}_2\text{S}$ chemically sprayed films. 60-01511A

controlled, refractory material with. 60-02558P

dislocation, in KCl-KBr mixed crystals. 60-01877A

of glasses, Ge-Sb-Se. 60-03468A

Na silicate, effect of bridging-to-nonbridging O ratio. 60-01019A

alkali CaO borogermanate. 60-03657A

tempered by different methods, determination of. 60-01009A

of solution, role of crystallization of quartz. 60-03182A

state, at Si-SiO₂ interface, determination. 60-04003A

Dental ceramics,

compositions. 60-01806P

with improved properties. 60-03985P

compositions for, additive. 60-00492P

filling insert, porous. 60-01828P

implants, bioglass, implant-bone interface. 60-05513A

crystalline Al_2O_3 . 60-02975A

porcelain, Au alloy for firing on. 60-00494P

restorations, porcelain-fused-to-metal, Au alloys for. 60-02588A

teeth. 60-01834P

Deposition.
of Al_2O_3 , on substrates. 60-05337P

of GaAs, semi-insulating, method of depositing layers of. 60-02764P

ICB and R-ICB, new developments. 60-01549A

of Si, crystalline. 60-02765P

of Si_3N_4 . 60-05310P

activated reactive evaporation, of HfN. 60-01754A

microstructures of TiN and Ti₃N prepared by. 60-01767A

apparatus, using rf glow discharge, for thin films. 60-04110P

of bubble domain material, magnetic, on monocrystalline substrate. 60-02763P

- chemical vapor, of Nb on graphite. 60-01738A
of SiC. 60-01739A
of (Ti,Zr)B₂ and (Ta,Ti)B₂. 60-01737A
of ZnO films on sapphire. 60-02613A
of amorphous Si₃N₄-C plate. 60-02968A
elongation of B and W during, model for. 60-00721A
laser-induced, of Si from SiCl₄. 60-02663A
modified, high-rate, production of optical fibers by. 60-00177A
modified, of glass fibers, partition of H in. 60-03634A
modified, of optical fibers. 60-03790P
process for coating substrates. 60-05266A
on substrates, radiation heated reactor for. 60-04097P
synthesis of beta-Si₃N₄ by. 60-04441A
controlled nucleation thermochemical, SiC, characterization and properties. 60-01736A
of crystals, from plasmas of ZrO₂, HfO₂, ThO₂, and CeO₂—correction. 60-05269A
electro-, of solid particles of slip. 60-05274A
electrolytic, of Na in β -Al₂O₃. 60-01891A
electrophoretic, advantages over slip casting. 60-02583A
epitaxial, of electroluminescent element. 60-00571P
method for. 60-05325P
of several layers, method for. 60-00570P
of films, Cd Sn oxide, by dc reactive sputtering. 60-02611A
SiO₂. 60-02621A
chlorophyll-a Langmuir-Blodgett, on SnO, transparent electrode. 60-04001A
doped Si oxide. 60-00538P
metal and mixed metal chalcogenides, semiconductors. 60-01625P
piezoelectric ZnO, by magnetron sputtering. 60-02648A
of HfO₂ particles, produced by flame hydrolysis. 60-02261A
of layers, of uniform thickness, apparatus for. 60-01210P
low pressure, of Si₃N₄, by SiCl₄ and NH₃ reaction. 60-04027A
of materials, on substrates, methods of. 60-00584P
of materials on substrates, apparatus for. 60-01575P
by oxide evaporation, of W-Al₂O₃ composite films. 60-01742A
of quartz, uniform, sputtering system for. 60-02793P
retarded, of Li₂N films on WO₃ substrates. 60-03180A
sputter, of multilayered ceramic/metal coatings. 60-01788A
thermophoretic, method for making optical fibers. 60-03780P
vacuum, apparatus, heating system for. 60-00549P
chamber, TiN protective coating for. 60-01794A
ion-beam-activated, structure and properties of deposits grown by. 60-01570A
vapor, of Ce oxide films. 60-01606P
apparatus, temp. gradient means in reactor tube of. 60-04102P
vapor phase axial, of single-mode fibers. 60-02278A
- Design.** See also *Art and artwork; Decoration.*
of brickwork, reinforced and prestressed. 60-03834A
of burners, effect of fuel usage. 60-01696A
in ceramic industry, key to marketing. 60-04501A
of coolers, planetary. 60-02097A
of fast-firing curves, for tunnel kilns. 60-05455A
of furnaces, glassmelting, all-electric. 60-02262A
glassmelting, forehearth. 60-00164A
glassmelting, in 1978. 60-00169A
lightweight enameling. 60-04627A
guidelines, for joining composites. 60-02943A
house wall construction, in Europe, standards for. 60-03852A
of insulation, refractory. 60-02892A; 60-02893A; 60-02894A
of kilns, effect of fuel savings on. 60-01692A
fan engineering. 60-01694A
for greater fuel economy. 60-04178A
tunnel, for fuel savings. 60-05468A
using mathematical modeling by computer. 60-02878A
woodburning. 60-00015A
of masonry walls, load-bearing. 60-03850A
methodology, for ceramic combustor liner. 60-02512A
of mills, pebble, recent changes. 60-01653A
of precipitators, filtering. 60-02119A
of refractories, for heat savings. 60-00442A
of tableware, American. 60-03275B
of turbine components, review. 60-02944A
of turbines, gas. 60-02956A
of wall panels, laterally loaded. 60-03833A
- Detectors.** See also *Tubes, electron.*
dielectric, measurement of fission density distribution by. 60-02804A
pyroelectric, threshold measurements on. 60-03996A
- Devitrification.**
of glasses, Ti-containing Li aluminosilicate, Raman spectral data for. 60-03651A
- Diagrams.**
K₁V, for Na₂O-CaO glass, determination of. 60-00132A
phase, binary, relation to thermodynamic properties of phases. 60-05569A
of system MgO-TiO₂, determination using float zone method. 60-05593A
sintering, reservations in use. 60-03241A
sintering mechanism. 60-03192A
- Diamonds.** See also *Grinding apparatus; Grinding (material removal).*
and BN, abrasive compacts and conglomerates. 60-00006P
and/or BN, on SiC substrate, composite. 60-01802P
composite, method of making. 60-03013P
polycrystalline, method of making. 60-00756P
Syndite, abrasive tools for trueing and dressing. 60-00003A
abrasives, mechanical and physical properties. 60-00004A
abrasives. 60-04493P
aggregate for resin-bonded uses. 60-02046P
for grinding disks. 60-00002A
body/Si₃N₄, substrate composite. 60-01827P
body/SiC, substrate composite. 60-01826P
ceramics, phase transformations and properties. 60-03159A
compacts, method for making. 60-04243P
for rock drilling, method for making. 60-03304P
sintered, method of making. 60-01818P
conductivity, electrical, temp. and frequency dependences of. 60-04447A
friction of. 60-04334A
grits, abrasive. 60-04490P
used for grinding glass and ceramics. 60-02040A
modifications of C, produced by shock compression. 60-01787A
particles, sintered into dense mass. 60-02976A
polycrystalline, body and process. 60-01825P
simulated, method and means of distinguishing from natural diamond. 60-04166P
strength and fracture properties. 60-04428A
synthesis of. 60-02997P
synthetic, abrasives, for high-quality finishes. 60-03301A
tools, method for making. 60-03303P
- Disperse.**
and kyanite, phosphate-bonded, torsional creep behavior. 60-03915A
- Diatomaceous earth.** See *Diatomite.*
- Dicalcium silicate.** See *Calcium, di-.*
- Dielectric materials.**
60-04065P
LiNbO₃-LiTaO₃-NaNbO₃-NaTaO₃, crystal chemistry. 60-03051A
Mg titanate. 60-02744P
Pb(Fe_{1/2}Nb_{1/2})O₃-Pb(Mg_{1/2}Nb_{1/2})O₃. 60-00552P
Pb(Fe_{1/2}Nb_{1/2})O₃-Pb(Mg_{1/2}Ta_{1/2})O₃. 60-00553P
(Pb,Li)(Zr,Ti)O₃ and BaTiO₃. 60-00534P
based on fused quartz matrix, production of. 60-04835A
based on titanates, Mg, Ca, and rare earth metal. 60-01585P
ceramic, with Al nitride added for decreased sintering temp. 60-01211P
composition for. 60-01593P
coatings, deposited on polished glass, optical properties. 60-02323A
containing MgTiO₃ and PbO₂, with quantitative relation. 60-00539P
granulated, method and apparatus for drying. 60-00559P
made from powders. 60-02740P
masks, selective plasma etching. 60-00601P
pastes, for film capacitor. 60-00540P
permeability of, at superhigh frequencies, study of temp. dependence. 60-01671A
with perovskite structure, containing CuO, method of making. 60-00581P
method of producing. 60-04082P
ribbon, with high constant, method for making. 60-02418P
substrates, metallizing compositions for. 60-00558P
superficial, process for growing on substrate. 60-04088P
two-layer, method of making. 60-01610P
- Dielectric properties.**
of BaTiO₃, effect of calcination and firing atm. 60-0506A
of Bi germanate and Bi Ge oxide, temp. variation of. 60-05297A
of Bi₂TeO₇. 60-05270A
of K(M,W...)O₃. 60-05581A
of MgO, Fe/MgO, and Cr/MgO, single crystal. 60-03059A
of MgO, Fe/MgO, and Cr/MgO. 60-04344A
of PZT, changes in constant in tetragonal-rhombohedral transition region. 60-05572A
of PbTiO₃, amorphous. 60-03060A
anomalous, of PbTiO₃, caused by point defects. 60-05260A
breakdown, of porous MgAl₂O₄. 60-04005A
of ceramics, based on system PbTiO₃-La₂O₃-3TiO₂. 60-04431A
constant, of glasses in systems As-Ge-Te and Se-Ge-Te. 60-03493A
constants, of mechanically compressed BaTiO₃ crystals. 60-01875A
of corundum, effects of raw materials on. 60-00503A
of films, BaTiO₃, effect of sinusoidal electric field on. 60-01538A
Te oxide. 60-02708A
vacuum-deposited Bi oxide. 60-01521A
of forsterite, measurement of. 60-01958A
of glass-ceramics, in system BaO-TiO₂-SiO₂-Al₂O₃. 60-01013A
of glasses, As₂Ge₂Te₂Ag₂. 60-00144A
Pb silicate. 60-04732A
borate and germanate. 60-04705A
oxynitride. 60-03473A
loss, of microstructurally anisotropic borosilicate glass. 60-03472A
of metals, alkaline earth. 60-05594A
of minerals, Indian clay. 60-04300A
permeability, of materials at superhigh frequencies, study of temp. dependence. 60-01671A
of rare-earth titanates. 60-05594A
relaxation, in glassy systems, theory. 60-03470A
order parameter model of liquids and glasses. 60-03142A
- perpendicular to conduction planes in β -Al₂O₃. 60-04301A
in vitreous systems. 60-01919A
of relaxors, ferroelectric, in system Pb(Mg_{1/2}Nb_{1/2})O₃: PbTiO₃:Ba(Zn_{1/2}Nb_{1/2})O₃. 60-04004A
response, of pyroelectrics, relation of thermal noise to. 60-04039A
strength, of BaTiO₃ films, statistical analysis. 60-00521A
- Diellectrics.** See also *Bodies, ceramic; Ferrites; Ferroelectricity; Ferroelectric materials; Glass; Porcelain, electrical; Steatite; Titanates; Whiteware.*
gratings, diffraction, method of producing. 60-02429P
- Dies.** See also *Extrusion.*
coating, fiber optic, measurement of fluid dynamic centering force in. 60-02309A
pressing, for making whiteware molds. 60-05256P
- Differential thermal analysis.** See *Thermal analysis.*
- Diffraction.** See also *Electron diffraction; Neutrons; Optical properties; X rays.*
X-ray, data of MgAlPO₄. 60-05742A
analysis, powder, of three-component sample. 60-02849A
convergent-beam electron, symmetry from disordered structure, (Ce,Ta)Ta₂O₇. 60-05577A
electron, convergent-beam, symmetry determination of room-temp. form of LnNbO₃ (Ln = La,Nd) by. 60-05714A
study of ordering process in Cu₂S. 60-01330A
study of rutile. 60-03242A
study of thickness of grain boundaries. 60-01988A
of glasses, metallic, semiconducting, and inorganic, analysis. 60-01014A
gratings, dielectric, method of producing. 60-02429P
intensities, low-energy-electron, from ZnO, calculation of. 60-03088A
micro-, identification of chrysotile asbestos by. 60-02838A
neutron, pulsed, glass scintillators for. 60-00172A
study of Zr₂O₃. 60-01931A
study of amorphous solids. 60-01106A
study of structure of Ti-containing K-Al phosphate glasses. 60-03619A
- Diffusion.**
in Al₂O₃, doped with MgTiO₃, during sintering. 60-03061A
of C, in UC, α . 60-05353A
of Ca(OH)₂H₂, through hardened cement pastes. 60-03349A
of Cu⁺, in glasses. 60-01015A
of Fe, in (Mg,Fe)O. 60-03116A
of Fe-59, in Ge₂Se₇. 60-03474A
Ga, open, method for control of. 60-00563P
Haven ratio, in beta-Al₂O₃, temp. dependence of. 60-04448A
of He, in fused SiO₂, above the transformation range. 60-01162A
Na ion, in beta/beta'-Al₂O₃, ultrasonic study. 60-04461A
of O, in PuO₂, dilatometric and thermogravimetric study. 60-05363A
in undoped and La-doped BaTiO₃. 60-05588A
O and Si, in vitreous SiO₂. 60-00237A
of P, in SiO₂. 60-01522A
of Pu, in high burnup simulated (U,Pu)(C,N) and (U,Pu)N. 60-05386A
of Si, in B₂C. 60-03197A
in amorphous SiO₂. 60-04708A
of Sn, in glass, kinetics. 60-00196A
in soda-lime glass. 60-01016A
of Sn(IV), in silicate glazes and glasses. 60-02264A
of U, in UC doped with Y, Zr, La, or Ce. 60-05395A
of Zn, into GaAs. 60-02724A
barrier materials, on SiC filaments, study. 60-00716A
cation, in CoO, isotope effect for. 60-03117A
in magnetite, correlation and isotope effects for. 60-03049A
chemical, of O in (U,Pu)O₂. 60-05355A
in polycrystalline Al₂O₃. 60-00772A
coeff., of B in Si, concentration dependence of. 60-01855A
electro-, in synthetic quartz, effect on Na acoustic loss peak. 60-05609A
electrothermal, of metals into glass, fabrication of optical waveguides by. 60-03594A
inter-, in K/Na ion exchange, pressure dependence of coeff. 60-05679A
of Na-H in Na silicate glasses. 60-01160A
in Pyrex glass. 60-00985A
of alkaline ions in glass, temp. dependence of coeffs. 60-01183A
in silicoaluminate glasses, mechanisms. 60-00197A
ion, Li, in Li silicate glasses. 60-04707A
alkali, correlation effects in binary alkali oxide glasses. 60-00999A
metal, in molten glasses, electrochemical study. 60-00149A
of fluids and gases, in Ca-Na glasses, effect of glass phase on. 60-03490A
oxygen, in Mg aluminate spinel. 60-04378A
processes, in TiC film on WC, ion beam analysis. 60-01541A
self-, of Fe and Na in silicate glasses. 60-03372A
of Li in Li₂O, coeff. of. 60-04117A
of Li in oxide glasses, spectrometric determination 60-00204A
of O in single-crystal Al₂O₃. 60-03187A
of O in single-crystal forsterite. 60-03186A
of ⁵¹Si in polycrystalline β -SiC. 60-00827A

- spatial energy, in ruby, determination of upper limits. 60-03056A
thermal, of Sn in GaAs from spin-on $\text{SnO}_2/\text{SiO}_2$. 60-02717A
- Diffusivity**, thermal, of Li_2O , porosity dependence on. 60-05677A
of Si_3N_4 , effect of composition and microstructure on. 60-04311A
of Si_3N_4 -BN composites, anisotropy effects in. 60-05500A
of hot-pressed Si_3N_4 , orientation effects on. 60-03143A
laser-flash, automation of measurements. 60-00628A
measurement using pulsed dual-beam lens technique. 60-02861A
pulsed method for determining. 60-01680A
- Dilatometers**. See also *Expansion*.
high-temp., increasing accuracy. 60-04151A
- Dinnerware**. See also *Art and artwork; Pottery, Whiteware*.
60-03273B
American. 60-03275B
from 1830 to present. 60-03268B
Kovel's illustrated price guide. 60-00860B
fast-firing, kiln for. 60-02591A
sled kiln for. 60-01695A
glass, colored Na_2O - CaO . 60-01226P
tinted. 60-05005P
production, in Ecuador. 60-01493A
whiteware, processes for fabrication. 60-05195A
- Diodes**. See also *Rectifiers; Tubes, electron*.
DH laser, GaAlAs, coupling to Ti:LiNbO_3 , waveguide. 60-00502A
InGaAsP/InP, TEM study. 60-00524A
InP, CVD Si_3N_4 , film applied to. 60-01950A
laser, method for making. 60-01608P
photo-, avalanche, III-V alloy heterostructure. 60-04019A
varactor, hyperabrupt, method of making. 60-00577P
- Disipide**, -devitrite system, optimization of nucleation and crystal growth. 60-01120A
synthetic. 60-02912A
- Dislocations**. See also *Creep; Defects*.
on Si surfaces. 60-01965A
crack tip, in MgO . 60-04288A
in crystals, MgO , yield strength and dynamic behavior. 60-02016A
optical-grade corundum. 60-05595A
in oxides, climb model of. 60-00774A
self-decorated, in Nd-doped YAG crystals. 60-05693A
solids. 60-00857B, 60-00858B
surface, from abrasion and heating of MgO crystals, depth of penetration. 60-04380A
vacancy-, interaction energies in MgO . 60-00848A
- Dispersion**, Ni phosphide-boride. 60-02777P
characteristics, of single-mode fibers, correlation between numerical predictions and measurements. 60-00997A
of clays, in liquid media, use of variable-sign pressures. 60-03978A
colloidal, production. 60-00694P
in fibers, multimode, relation to water absorption loss. 60-03565A
single-mode, measurement of. 60-02310A
kaolin, electrolytes as thinners for. 60-05730A
profile, characteristics in graded-index optical fibers. 60-01138A
of slurries, agent for. 60-04062P
wavelength, of optical waveguides. 60-00297A
- Display devices**. See also *Electronic equipment*.
In oxide, temp. dependence of electrochromic processes. 60-05295A
electrochromic, all solid state, based on $\alpha\text{-WO}_3$. 60-02690A
ceramics for. 60-01582P
glass, layered, method of making. 60-04076P
- Dissolution**. See *Solutions*.
- Distortions**, index profile, stress-induced, in optical waveguides. 60-00276A
- Dolomite, plaster**. See *Plasters*.
- Dolomite**. See also *Refractories*.
burning characteristics, evaluation. 60-03358A
creep behavior, effect of variations in composition on. 60-03107A
refractories. 60-02540P
basic, mineralogical studies. 60-02519A
sintered, hydration resistance of. 60-05627A
utilization, in Hungary, problems of. 60-04188A
- Domains**. See *Ferroelectricity; Ferroelectric materials; Ferromagnetism; Ferromagnetic materials; Magnetic properties*.
- Dopants**, CaO , effect on fracture toughness of hot-pressed Al_2O_3 . 60-04350A
Pb compounds, of S, Se, and Te. 60-01639P
impurity, effect on reaction-bonded SiC. 60-04206A
- Doping**. See *Additives*.
- Dosimetry**, thermoluminescence, for personal monitoring. 60-05439A; 60-05440A
- Drawing**, tubes. 60-03711A
waveguides, optical, using laser radiation. 60-03742P
- Drilling**, rock, method of making diamond compacts for. 60-03304P
- Dry pressing**. See *Pressing*.
- Dryers**, batch, with reversal air flow, study. 60-05415A
brick, in Hungarian industry, development of. 60-03835A
chamber, for clay products, replacement of hot-water air heaters by gas burners. 60-02474A
for clay, developed by Claude Canover of Cleveland. 60-00387A
pneumatic conveyor, for slag cement grinding plant, experience with. 60-02113A
tubular grater, for glass sands. 60-04891A
tunnel and chamber, operating expenses. 60-02880A
- Drying**, SiO_2 tailings, from kaolin processing, use of "Drimax". 60-00677A
behavior, of fine ceramic materials. 60-04175A
bentonite, method. 60-02919P
clay blocks. 60-05409A
controlled, of coating material. 60-01227P
cracks, in bricks, prevention of. 60-05020A
dielectric materials, granulated, method and apparatus for. 60-00559P
energy-conscious. 60-02876A
filter cake. 60-01506P
fluidized bed, of limestone fines. 60-04535A
of porous solids, method for predicting moisture and temp. fronts. 60-02895A
practices, in ceramic industry. 60-00622A
process. 60-02820A
of quartzite. 60-01343A
sands, glass, technical energy problems during. 60-04891A; 60-05487A
sensitivity, method for evaluating. 60-02842A
the sizing, of glass filaments, device for. 60-00311P
of sludges, clay. 60-00808A
spray, volatiles loss during atomization. 60-02897A
tests, practical procedures for. 60-00389A
tunnel and chamber, operating costs comparisons. 60-02887A
operating costs in structural clay industry. 60-01320A
of whiteware, energy optimization. 60-01474A
- Ductility**, improved, sintered ceramic with. 60-00763P
- Dust**. See also *Particulates; Pollution, air; Powders*.
blast furnace, Mn-containing, use in production of Portland cement. 60-04530A
control, in handling of particulate materials. 60-02413P
in processing of refractory raw materials. 60-00411A
flue, process for converting to zeolite molecular sieves. 60-00759P
kiln, method of making cement clinker from. 60-02212P
precipitators, economy of filtering, mathematical models. 60-02143A
recovery, from cement kiln plants. 60-00055P
separators, on glassmelting furnaces, filter media for. 60-04872A
- Dynamics**, glass electrode potential, study by concentration discontinuities. 60-03692A
lattice, of BeO crystals. 60-03118A
molecular, instantaneous structure of MgSiO_3 , melt simulated by. 60-03562A
of molecular relaxation, in cement pastes. 60-03350A
- Dysprosium**, $\text{Dy}_2(\text{MoO}_4)_3$, crystals, growth and properties. 60-01903A
 Dy_2Se_3 . 60-03046A
- Earthenware**. See also *Archeology; Dinnerware*.
coatings for, decorative. 60-05238P
faience, from Zittau. 60-04502A
- Education**, courses, available at Syracuse University Studio Arts Department. 60-00898A
technical, in ceramics. 60-03252A
- Elasticity**, of B.C. 60-00787A
anelasticity, and freedom in glasses, internal degrees of. 60-04775A
of ceramics, measurements. 60-00638A
constants, of alkali halides, temp. dependence. 60-03224A
of crystals, $\text{Pb}(\text{SiO}_3)(\text{VO}_3)$. 60-00799A
of fibers, glass, dependence on thermal history. 60-03469A
of films, BN. 60-02631A
refractory silicides and Si_3N_4 . 60-02632A
of glasses, alkali silicate. 60-00285A
of melts and glasses, in system As-S. 60-00294A
photo-, of glasses, effect of cation polarizability. 60-00138A
of refractory materials, ultrasonic measurement. 60-00450A
of silicate materials, dynamic determination. 60-05426A
visco-, of SiO_2 in system Si/SiO_2 , topography studies. 60-05686A
- Elastomers**. See *Elastic materials*.
- Electrets**, glass, sintered borate, charge for. 60-04921P
- Electric resistors**. See *Resistors, electrical*.
- Electrical ceramics**. See *Electronics*.
- Electrical conductance**. See *Resistance, electrical*.
- Electrical conductivity**. See *Conductivity, electrical*.
- Electrical properties**, of BaTiO_3 , doped with BaTiO_3 . 60-04319A
- Coulomb potential, in ionic substances, relation to melting and boiling points. 60-00813A
Faraday rotation, of Fe_2O_3 . 60-03083A
of NaNbO_3 , ferroelectric solid solutions based on. 60-04392A
of Si oxides, grown in Cl-containing ambients, relation to material properties. 60-01516A
of SiC, 6H. 60-02004A
breakdown, in beta- Al_2O_3 . 60-01528A
breakdown strength, of Al_2O_3 at high temps. 60-04317A
of ceramics, effects of 2nd phases on. 60-02700A
charge transfer, across $(\text{U}_{x-1}\text{Y}_x)_2\text{O}_{3-x}/\text{YSZ}$ interface. 60-05734A
of clays. 60-04320A; 60-04321A
of corundum, effect of alloying additives on. 60-00413A
of crystals. 60-01889A
 TiO_2 . 60-04293A
field effect, on positronium formation and decay in some polymers and fused quartz. 60-04730A
of films, Cr-SiO. 60-01527A
 Si_3N_4 , deposited by $\text{SiCl}_4\text{-NH}_3$ reaction. 60-02633A
 SnO_2 on glass substrates. 60-00417A
 SnO_2 , obtained by dc sputtering. 60-01529A
dc sputtered MnCo_2O_4 . 60-01567A
dc sputtered $[(\text{Pb},\text{Sn})_x]_2\text{Sb}_2\text{O}_7$. 60-04010A
undoped In_2O_3 , prepared by reactive evaporation. 60-02634A
of glasses, $\text{As}_2\text{O}_3\text{-Te}_2\text{O}_3\text{-Ag}_2\text{O}$. 60-00144A
Ge-Sb-Se. 60-00146A
 $\text{TiO}_2\text{-Ti}_2\text{O}_3\text{-P}_2\text{O}_5$. 60-04878A
 $\text{V}_2\text{O}_5\text{-PbO-GeO}_2$. 60-03494A
borophosphate, containing R_2O and V_2O_5 [$\text{R} = \text{Li}, \text{Na}$]. 60-00103A
phase-separated Na borosilicate. 60-04735A
semiconducting oxide. 60-03495A
semiconducting oxide, containing V_2O_5 . 60-01031A
of heterojunctions, $\text{SnO}_2\text{-Si}$. 60-01526A
impedance, ac, of Na beta- Al_2O_3 , relation to microstructure. 60-00518A
of materials in system $\text{CaTiO}_3\text{-CaTiSiO}_6$. 60-04420A
of niobates, alkali and alkaline earth, effect of gamma irradiation on. 60-04006A
of powders, WO_3 . 60-01888A
of silions, Li and Y. 60-03073A
of solid solutions, $\text{Cu}_x\text{Mn}_{1-x}\text{O}$, $\text{Cu}_x\text{Fe}_{1-x}\text{O}$. 60-05610A
Nd-, Ca, VO_3 . 60-04009A
surface, of Ti oxide. 60-01991A
of system $\text{Ge-Cr}_2\text{O}_3$ -electrolyte. 60-04324A
of systems, $(\text{V},\text{Cr})_2\text{O}_3$. 60-03075A
transfer phenomena, in Mn-Zn ferrosil spinel semiconductors. 60-04468A
transport, in As-Se glasses. 60-03496A
of ZrF₄-based glasses. 60-00148A
of monoclinic rare earth oxides. 60-05732A
- Electricity**, fields, effect on solid state reactions between oxides. 60-04315A
production of, self-, effect on power supply contracts in ceramic industry. 60-05465A
- Electroceramics**. See *Electronics*.
- Electrochemistry**. See also *Corrosion*.
of Mo carbide, in acid and alkaline solutions. 60-01741A
of steel, in concrete. 60-02142A
- Electrodes**. See also *Heating elements*.
with MnO , coating, method for making. 60-04069P
 SnO_2 , in Pb glassmelt, effect of dc on corrosion. 60-03486A
optically transparent, deposition of chlorophyll-a Langmuir-Blodgett films on. 60-04001A
 TiO_2 , transition-element-doped n-type, photoelectronic processes in. 60-01551A
alkaline earth oxide coated, distributor with. 60-00541P
for arc welding, composition for coating. 60-00094P
bonded, with layered insulation. 60-02728P
carbon, mfg. 60-02536P
ceramic component for. 60-01579P
charge, solder glass bonded, for ink jet printers. 60-02792P
cored. 60-00095P
for electric furnaces, inclined to vary firing path. 60-00316P
glass, Li aluminoborate. 60-03498A
blood capillary, development for use in medical electronics. 60-04703A
for glassmelting furnaces, heating device for. 60-00317P
graphite, apparatus for coating. 60-03918P
ink, thermoplastic, for making multilayer capacitors. 60-02794P
micro-, open tip glass, effect of diffusion and glass conduction on resistance. 60-05278A
oxide, semiconducting, photoelectrolysis of water on. 60-00514A
positive, V oxide, nonaqueous secondary cell using. 60-00389P
- Electrodialysis**. See *Dialysis*.
- Electroluminescence**. See *Luminescence*.
- Electroluminescent materials**. See *Luminescent materials*.
- Electrolysis**, photo-, of water, on semiconducting oxide electrodes. 60-00514A
recovery of U oxides by. 60-00620P

Electrolytes.

$\text{Na}_2\text{Zr}_2\text{Si}_2\text{P}_2\text{O}_{14}$, synthesis, characterization, and fabrication. 60-01571A
ceramic, in electrochemical cells, sealing method. 60-0582P; 60-05347P
coagulation of colloidal SiO_2 with. 60-05575A
for fuel cells, method of preparing. 60-04081P
glass, Na ion-conducting, for Na-S batteries. 60-01631P
Na-S battery with. 60-01632P
reservoir layer, fuel cell, method for making. 60-00547P
solid, beta'- Al_2O_3 , breakdown. 60-04276A
preparation by spray pyrolysis. 60-04222A
and their applications. 60-03293B
structure for holding, sintered Li aluminate. 60-02772P
system GeCr_2O_7 , electrophysical properties. 60-04324A
theory, applicability to glasses. 60-00978A
as thinners, for kaolin dispersions. 60-05730A

Electromagnets. See Magnets.**Electromechanical properties. See Mechanical properties.****Electron tubes. See Tubes.****Electronic equipment.**

attenuator, fixed microwave, with mounting hole through Al_2O_3 substrate. 60-04063P
chip circuit components, method for making. 60-04072P
circuits, film, fabrication on coated substrates. 60-02640A
composite package for, flanged. 60-00537P
controls, choosing pneumatic or electronic instrumentation. 60-01677A
coupling, GaAlAs laser-fiber, high index microlenses for. 60-02647A
devices, composite flanged package for. 60-00537P
electrochromic, Ir oxide-based. 60-04066P
fabrication by plasma etching. 60-04060P
photovoltaic semiconductor, methods of making. 60-00591P
semiconductor, method for fabricating. 60-02752P
use of ceramics in. 60-0498A
display panels, layered glass, method of making. 60-04076P
heat deflectors, within EFG crucible. 60-05318P
lasers, high-gain performance, in alexandrite. 60-02646A
tunable cw. 60-02719A
magnetic head, method for making. 60-02408P
mfg., using boronizing treatment. 60-02757P
multilayered board, method of making. 60-02771P
photodiodes, III-V alloy heterostructure high speed avalanche. 60-04019A
plate, made from particles, method and apparatus for making. 60-02748P
porcelain components, for reception of screw fasteners. 60-04055P
process controller, for plasma development. 60-04087P
recording media, magnetic material for. 60-02745P
magnetic, process for making. 60-00556P
scintillators, ceramic-like. 60-01581P
seals, metal-to-ceramic. 60-05321P
sheets, ceramic, technology and application. 60-05294A

Electronic properties.

at Si-sapphire interface, method for evaluating. 60-02856A
theoretical, of rutile. 60-03227A
Electronics. See also *Electronic equipment*.
 $\text{Al-Al}_2\text{O}_3$ -SnTe, structures, tunneling in. 60-01573A
adhesion, of ceramics, method for. 60-05323P
adhesion mechanism, between metal films and crystalline ceramics. 60-05258A
alloys, system $\text{Al}_2\text{Ga}_{1-x}\text{As}_x\text{Sb}_x$, lattice constant grading. 60-02741P
automation, revolutions in. 60-01682A
bonding, metal layer to substrate, glazing paste for. 60-05317P
breakdown, laser-induced, in SiO_2 . 60-02302A
bubble domain material, magnetic, deposition on monocrystalline substrate. 60-02763P
bubble materials, magnetic. 60-02671A
coatings, low atomic number nonmetallic. 60-05281A
compositions, ceramic. 60-01580P; 60-05306P
heterophase. 60-00551P
crystalline materials, growth method for. 60-05327P
degradation mechanism, in nonohmic ZnO . 60-02620A
deposition, epitaxial, method for. 60-05325P
doping, gradient, in amorphous Si. 60-02736P
dyes, ZnO -absorbing *p*-type and *n*-type, effect of illumination on surface potential. 60-04020A
electrochromic processes, in Ir oxide displays, temp. dependence. 60-05295A
electron beam recording medium, Sn oxide, Cd chloride-doped Ag chloride. 60-05004P
electrostrictive coeffs., of $\text{Pb}(\text{Mg}_{1-x}\text{Nb}_x)\text{O}_3$. 60-02637A
energy conversion, photovoltaic, use of ceramics. 60-00499A
epitaxial refill, planar, using LPE. 60-02780P
ferrospinel, high-density, possibility of obtaining. 60-00515A
field effects, internal bias, in doped PZT. 60-02659A
goethite, acicular, process for producing. 60-02784P
growth system, semiopen LPE. 60-04100P
imaging, photoferroelectric, in PLZT, model for ion-implantation-induced improvements in. 60-05283A
industry, mass-soldering equipment for. 60-02672A
use of ceramics. 60-0498A
internal boundary layer compositions, method for making. 60-01611P
layers, epitaxial, process for producing. 60-04091P
magnetic material, for recording media. 60-02745P

medical, development of blood capillary glass electrodes for. 60-04703A
metal, ceramic, or polymer compositions, method for forming. 60-05326P
micro-, proceedings of 2nd European Hybrid Microelectronics Conference, 1979. 60-00864B
milling, inert gas ion, method for increasing etch-rate ratio of oxides to nonoxides. 60-02674A
molded ceramic, method for encapsulating. 60-01598P; 60-01607P
molecular-beam epitaxy system, including H treatment. 60-02776P
oxide compounds, metallic, method for producing. 60-01603P
plasma development, process controller for. 60-04087P
porcelain, partially devitrified, method for making articles from. 60-04084P
readout echo, amplified and saturated, in piezoelectric powder. 60-05259A
regrowth, patterned epitaxial, using pulsed irradiation. 60-01616P
resistance material. 60-05344P; 60-05345P
screening, conduction-electron, in IrO_2 . 60-04285A
semiconductors and barriers, method of forming. 60-00572P
slurries, dispersants for. 60-04062P
structure, of UO_2 . 60-04109A
substrates, porcelain enameled steel, development. 60-04605A
porcelain enameled steel, use. 60-04620A
superionics, today and tomorrow. 60-00522A
switching, memory, in glass-metal particulate systems. 60-02673A
systems, SiO_2/GaAs , sputter-deposited, interfacial layer formation. 60-05279A
tunnel junction barriers, oxidized amorphous-Si superconducting. 60-02679A
wafer, for bubble film growth, LPE dipping of. 60-02756P
wave mode converters, optical surface, using static strain-optic effects. 60-02324A

Electrons.

emitted by films, $\text{Al/SiO}_2\text{-B}_2\text{O}_3/\text{Au}$, energy distributions. 60-01532A
source for, nonheated metal-insulator-metal system. 60-04047A
synergistic effect, on reactivity of atomic H with graphite. 60-05392A
Electrooptic properties.
of K titanate phosphate. 60-02694A
of LiNbO_3 , cleaved. 60-05586A
of borate glasses, containing Ba^{2+} , Pb^{2+} , Bi^{3+} , and La^{3+} . 60-03492A
of films, anodic W oxide. 60-02638A

Electrooptics.

D-CD, $\text{Cs}_2\text{D}_2\text{AsO}$, and LiTaO_3 , traveling wave-type coherent light modulator. 60-03709A

Electrophoresis.

of Al_2O_3 , surfaces, SiO_2 -bearing. 60-00482A
formation, of solid particles of slip. 60-05274A
Electrophysical properties. See Physical properties.

Electrostatic processes.

enameling, in drawn shapes. 60-04607A
powder, operating experiences with. 60-04633A
glazing, of sanitary ware. 60-05205A
spraying, of powdered enamel into hollow parts. 60-00084A

Elements.

for capacitors and recorders. 60-02735P
luminescent, method of making. 60-00571P
filter, multipurpose. 60-02826P
memory, nonvolatile semiconductor, method of making. 60-02770P
rare-earth, cobaltates(III). 60-00775A
trace, in geochemical samples, extraction system for determination. 60-05435A
transition, new glasses formed by fluorides of. 60-03621A

Elements, heating. See Heating elements.**Elutriation. See Beneficiation.****Emission.**

F, in structural clay industry, noxious effects and control. 60-02489A
of Mg^{2+} , in oxide glasses, coordination number and chemical shift. 60-00994A
acoustic, in drying of hardened cement paste and mortar. 60-03334A
of impact-damaged graphite-epoxy composites. 60-04199A
relation to development of defects. 60-04414A
technique for monitoring. 60-04159A
burner, lesson in fuel economy. 60-04171A
electron, from doped vanadate-phosphate glasses. 60-02275A
from furnaces, glassmelting, effect of production processes. 60-00141A
kiln, Pb-F cleaner system. 60-02889A
near band edge, of SrO . 60-03138A
photo-, in In_2O_3 films, determination of work function from. 60-02722A
pollutants, from glass container furnaces. 60-01127A
Emissivity.
of Hf carbide, at high temps. 60-03080A
of UO_2 , as function of wavelength, angle of incidence, and polarization. 60-02809A
of ceramics, liquid. 60-01980A

of condensed substances, effect of aperture of an optical system during measurement. 60-04146A
integrated normal, of materials with low coeffs. of thermal conductivity, experimental setup for determining. 60-01663A
ir, of glasses. 60-01179A

Emittance.

spectral, of SiO_2 glasses at high temp. 60-00270A

Emitters.

thermionic, LaB, crystal, surface analysis. 60-01990A

Enameled ware, panels. See Building materials.**Enameling.**

60-04609A
apparatus for. 60-03424P
of artware. 60-04508A
electrostatic. 60-04608A
in drawn shapes. 60-04607A
operating experiences with. 60-04633A
with electrostatic powder, equipment for. 60-02227A
ferrous objects, method for. 60-00097P
flame spray, powder mix. 60-00966P; 60-00967P; 60-00968P
frits, broadening the range of. 60-04600A
one-coat, catalytic effect of Ni flash. 60-00083A
uses for energy plant. 60-00090A
porcelain, assembly and design problems. 60-00082A
catalytic activity of Ni at glass/metal interface. 60-03417A
device for. 60-03426P
parameters for. 60-00088A
powder, production experiences. 60-04612A
properties of sheet steels for. 60-04641A
powder. 60-02236P
P/E, decision to use. 60-04603A
two-coat/one-fire system, analysis of adherence. 60-04595A
processes, comparison and reduction of energy consumption. 60-04601A
reactions, glass-metal. 60-04615A
slips. 60-02235P
steel plates for, production. 60-03421A
of steels, sheets, automatic control of pretreatment bath. 60-04626A
systems, frit powder, bond development and Co replacement in. 60-04599A
pickle-free. 60-00089A
two-coat, in one firing, techniques and methods. 60-04649A; 60-04650A

Enameling apparatus. See Electrostatic processes; Furnaces; Spraying.**Enameling industry.**

in Brazil, uses and raw material sources. 60-04614A
P/E plant of 1990. 60-04634A
Pb and F, problems with. 60-00957A
cleaning, low-temp. 60-04628A
cleaning and pretreatment, methods for reducing energy needs. 60-04630A
energy conservation. 60-04601A; 60-04623A
through better furnace design. 60-04611A
in furnaces using fiber modules. 60-04610A
furnaces, fiber lined, plant experiences with. 60-04636A
intermittent, use of radiant tube in. 60-04643A
lightweight, construction. 60-04627A
modification of. 60-04621A
use of fiber lining. 60-00087A
government activities relating to. 60-04646A
installations, electrostatic powder. 60-04608A
low-Co/no-Co systems, experiences with. 60-04632A
materials reclamation, plant programs for. 60-04637A
no-Co/low-Co systems, experience with. 60-04622A
panels, one-coat, use in power plants. 60-00090A
parts made by heat-resistant metals. 60-03428P
pickle-free systems. 60-00089A
production experiences with. 60-04640A
pollution control in Gt. Britain. 60-02226A
porcelain plant of 1990. 60-04638A
powder processes. 60-04619A
electrostatic, operating experiences with. 60-04633A
porcelain, experiences with. 60-04612A
pretreatment and electrophoretic plant in France. 60-02224A
pretreatment baths, for sheet steels, automatic controls for. 60-04626A
production practices, causing defects in porcelain. 60-04639A
rheology, practical uses. 60-00091A
sheet iron preparation, automatic control of pretreatment bath. 60-00086A
slurries, method for increasing shelf life. 60-02232A
steel soils, identifying. 60-04618A
toxicity, labeling requirements in Gt. Britain. 60-02231A
vitreous systems, factors for increasing profitability. 60-04613A
wastes, solid, methods for handling. 60-02222A
water, treatment procedures for. 60-03423A
Enameling metals, pickling. See Pickling.
Enamels. See Coatings.
for Al and its alloys. 60-00964P
 Al_2O_3 , plasma-sprayed on metal, degradation. 60-04604A
Ti, and Ti-C, F behavior in. 60-00951A
colored, black specks in. 60-04598A
 TiO_2 , transformation of TiO into. 60-00093A
acid-resistant. 60-00960P
adhesion of. 60-00081A
autocleaning, for self-cleaning ovens. 60-04596A

- black, SnO₂, as spectral selective layer on. 60-00092A
charge for. 60-00962P
composite, chemically stable, with improved thermo-
chemical properties. 60-00954A
in contact with acetic acid and foods, Pb and Cd release
under influence of light. 60-05217A
containing CuO and P₂O₅, with increased electrical
resistance. 60-04653P
decorating, based on Cd red. 60-03427P
with decorative cracked effect. 60-00963P
with decreased firing temp. and thermal expansion coeffs.
60-04652P
effect of molten salts on. 60-00955A
on electrodes, for arc welding, composition. 60-00094P
frit for. 60-04661P
frits, glazes, and colors. 60-04614A
fusion temp. intervals, determination of. 60-03419A
glass, corrosion. 60-03418A
heat-resistant, on Si-steel sheet, method for forming.
60-02237P
for hollow ware, selection of. 60-04645A
with increased thermal and abrasion resistance. 60-04654P
with increased water resistance. 60-04655P
low-Co/no-Co, industry experiences with. 60-04632A
low-melting, heat treatment of. 60-00969P
for magnetic leads, made from electric steel. 60-04656P
no-Co/low-Co systems, industry experiences with.
60-04622A
one-coat, use in combustion exhaust systems. 60-04651A
overglaze, saturated, effect of impurities on color.
60-04625A
pigments for. 60-04635A
porcelain, application to ferrous workpieces. 60-00961P
defects, caused by improper production practices.
60-04639A
effect of pretreatment on adherence to steel. 60-04606A
powders, quick color change capabilities with. 60-04642A
resistance to attack by aqueous media. 60-03422A
on rods, thermal stress problems in. 60-04647A
role of eight selected metals in. 60-04644A
steel substrates, for electronic applications. 60-04605A;
60-04620A
powder, application of. 60-04648A
electrostatic spraying into hollow parts. 60-00084A
metallo-thermic. 60-00971P
primer. 60-00972P
used on steel, material for. 60-00970P
reclaimed, use of. 60-04602A
reflectivity, microwave. 60-00952A
refractory, suitable for vehicle exhaust systems. 60-04617A
self-cleaning, articles having. 60-03425P
slip. 60-00965P; 60-04658P; 60-04659P; 60-04660P
solubility, effect on electrophoretic applications.
60-04624A
for steel. 60-04657P
thermal-barrier, corrosion-resistant. 60-02225A
plasma-sprayed, for gas turbines, behavior of. 60-04597A
vitreous, chemical analysis of. 60-02223A
on glass. 60-03716A
mfg., factors for increasing profitability. 60-04613A
white. 60-00973P
B-free, for steel, chemical resistance of. 60-00953A
- Encapsulation,**
of molded member, for electronic use. 60-01598P;
60-01607P
- Energy.** See also *Enthalpy; Entropy; Kinetics.*
applications, basic research needs on refractories for.
60-02018A
-conscious, drying and firing. 60-02876A
conservation, in brick industry, role of fly ash.
60-03848A
in buildings and community systems, DOE program.
60-02020A
in cement industry. 60-00923A
in cement industry, by recovering heat from dryer and
kiln. 60-02873A
in cement industry, through improved control of radial-
flow fans. 60-02107A
in ceramic industry. 60-00655A; 60-04174A; 60-05743A
through constant monitoring. 60-02884A
in enameling industry. 60-04601A; 60-04623A
in enameling industry, through better cleaning and
pretreatment methods. 60-04630A
in enameling industry, through use of furnaces with
fiber modules. 60-04610A
in enameling industry, use of more efficient furnaces.
60-04611A
in existing tunnel kilns. 60-04176A
in firing heavy clay products. 60-02468A
in gas turbines, role of heat exchangers. 60-02973A
in glass and ceramic industry. 60-05433A
in glass industry, advantage of recycling wastes.
60-00154A
in glass industry, by change of batch composition.
60-01129A
during glassmelting. 60-01004A
in glassmelting furnaces, via computer simulation.
60-00157A
in glassmelting tank. 60-01009A
in gypsum processing in calcining kettle. 60-02151A
through improved industrial processes. 60-02022A;
60-02023A
in industry. 60-02025A
- in iron and steel industry, role of refractories.
60-00446A
in kiln firing. 60-05458A
through kiln redesign. 60-04178A
in pottery industry. 60-01475A
with precalciner-kiln systems. 60-02182A
in production of glass containers. 60-01037A
in refractories industry. 60-05077A
through use of SiC coatings. 60-05075A
through use of insulating refractories. 60-05113A
by using fiber linings in kilns. 60-05461A; 60-05462A
using heat exchangers. 60-02874A
using masonry materials. 60-02471A; 60-02472A
in whiteware industry, through proper selection of raw
materials. 60-01497A
consumption, in glass industry. 60-01050A
in glass production. 60-00153A
conversion, photovoltaic, ceramics in. 60-00499A
crisis, in future of glass and ceramic industry in India.
60-00647A
relation to refractories industry. 60-01329A
crystal binding, in rutile-type compounds. 60-01859A
dilemma, one company's approach. 60-02024A
dissipative mechanisms, increased fracture toughness of
ceramics by. 60-04349A
economy and distribution, in small container plant
producing its own power. 60-04739A
electrical, method for storing. 60-02774P
of formation, of silos, mass spectrometric study—
correction. 60-04343A
fracture, in ceramics, grain-size dependence. 60-04338A;
60-04339A
fracture surface, of ThO₂, temp. dependence. 60-04118A
free, of formation of FeAl₃O₄. 60-05615A
gaps, in glassy materials, reason for. 60-03717A
glassmelting, mathematical description of performance.
60-00262A
in heavy clay industry, problems and possibilities.
60-01309A
interaction, vacancy-dislocation, in MgO. 60-00848A
interface barrier, for tunnel oxides on Si, photoemission
measurements. 60-02682A
management, in ceramic industry. 60-04471A
using microprocessor instrumentation. 60-01693A
nuclear, use of ceramics. 60-00608A
optimization, in whiteware drying. 60-01474A
photovoltaic, relative costs. 60-01552A
process parameters, of tunnel kilns for fine ceramics.
60-05459A
reclamation, in tunnel kilns for bricks. 60-02875A
recovery, of Hoffmann kilns. 60-05460A
using heat pumps. 60-04177A
requirements, in whiteware industry. 60-00484A
slip, all-glass collector. 60-00101A
collectors, glass for. 60-04774A
converter based on uranyl Nd and Ho glasses. 60-04770A
glass collectors, method of making. 60-02426P
grade CdS. 60-02791P
potential of glass in harnessing. 60-00243A
properties of Al₂O₃-borosilicate sheet glass.
60-00250A
study of DOE/SERI materials program. 60-02883A
sources and use, in container plant with regenerative
tanks. 60-04740A
spatial, diffusion in ruby, determination of upper
limits. 60-03056A
surface, of UO₂, determined by Hertzian indentation.
60-05391A
effect on mechanical strength of high-SiO₂ glasses.
60-04722A
surveys, in glass industry. 60-02274A
national, importance. 60-01697A
technical problems, during drying of glass sands.
60-05487A
transfer, in uranates, effect of crystal structure
and composition. 60-02803A
variations, in diffusive cavity growth. 60-01893A
waste, in kilns and furnaces. 60-00648A
- Engineering,**
ceramics, property data. 60-01748A
fan, in ultimate kiln design. 60-01694A
formulas, contemporary ceramic. 60-03269B
glass. 60-03532A
materials. 60-02027B
scale models, use in plant design. 60-02821A
tribotechnical, of open-running gear drives. 60-02196A
- Enthalpy,**
of ZrO₂, in range 1100–2500 K. 60-04325A
of glasses, Na silicate. 60-01038A
of liquids. 60-01038A
of mixing, liquids on alkali tungstates with W oxide.
60-01895A
- Entropy.** See also *Thermodynamics.*
communal, and glass transition. 60-00122A
- Epitaxy.** See *Crystallization.*
- Equations,**
Maxwell's, for lightguides, rigorous numerical solution
to. 60-0263A
balance, in glassmelting, elaboration of. 60-04728A
crack velocity, dependency of fatigue predictions on form.
60-04297A
dihedral angle, for two-phase system, thermodynamic
derivation. 60-03233A
- double-torsion, for fracture toughness of glass-ceramics,
verification of. 60-03715A
kinetic, for interaction between granular material and
liquid in glassmelts. 60-03573A
- Equilibrium,**
Cr³⁺/Cr²⁺, in industrial emerald green glasses. 60-01000A
boundary, of spinel = corundum + periclase. 60-01896A
defect, in transition metal oxides. 60-04299A
oxidation-reduction, of Cr oxides in alkali borate
glasses. 60-04820A
redox, of Ti, Cr, and Eu in silicate melts. 60-03656A
- Equilibrium studies.** See *Phase equilibria.*
- Equipment.** See *Machinery and Equipment* and specific
types.
- Erbium,**
ions, in borate and silicate glasses, effect of composition
on relaxation. 60-01026A
- Erosion,**
of composites, predicted model for. 60-02966A
of crystals, Si. 60-00791A
data, correlation with elastic-plastic impact models.
60-03050A
hot, of glass. 60-00180A
of materials, proprietary ceramic and metallic. 60-00710A
solid-particle, of Si, transient and synergistic effects.
60-05731A
- Etchants,**
PNAF, for Al and Si. 60-01615P
Si₃N₄ and SiO₂. 60-05348P
for films, SiO₂ on Si or metallic silicides. 60-01588P
- Etching,**
of SiO₂ and Si, in He-F₂ plasma. 60-03082A
of fibers, optical. 60-03744P
of glasses, aluminosilicate, to increase mechanical
strength. 60-03553A
ion beam, of SiO₂ and Si. 60-02695A
use in study of cementitious materials. 60-00919A
ion-beam, of SiC. 60-02971A
microscopic, laser-induced, of GaAs and InP. 60-02664A
plasma, device fabrication by. 60-04060P
selective, of dielectric masks. 60-00601P
precision, measurement of P concentration profiles in
phosphosilicate glass by. 60-02307A
selective, of Si relative to SiO₂, by CBrF₃ plasma.
60-02701A
studies, of structure and composition of aluminosilicate
particles in fly ash. 60-05431A
thermal, of Si. 60-02006A
- Etringite,**
process for producing. 60-02923P
whiskers, production and use. 60-03010P
- Europlum,**
EuB₂, pellets, hot-pressing of. 60-02802A
in Fe garnet, magnetic anisotropy. 60-03125A
carboxide, method of making. 60-01645P
- Eutectics,**
metal oxide, in systems (Cr,Al)₂O₃-(Cr,Mo,W), ZrO₂-Ta,
and their powder treatment. 60-01773A
- Evaporation,**
gas, preparation of ultrafine SiC particles by. 60-01776A
from glasses, binary, by high-temp. mass spectrometry.
60-00158A
silicate, containing Na₂SO₄. 60-01039A; 60-04741A
of grain-boundary phase, model for. 60-01929A
modified gas, preparation of ultrafine SiC powder by.
60-02969A
reactive, of TiO₂ layers. 60-02604A
electrical properties of In₂O₃ films prepared by.
60-02634A
preparation of In₂O₃ and Sn-doped In₂O₃ films by.
60-02688A
thermal, conductive In₂O₃ films prepared by. 60-02650A
- Expansion.** See also *Dilatometry.*
linear, of CdGa₂Se₄, anisotropy of. 60-03032A
of mortar and concrete, made from Egyptian portland
cement. 60-00913A
of perlite, evaluation of kilns. 60-03875A
shrinkage behavior, of clay-bonded synthetic zeolite,
relation of strength to. 60-05518A
sulfoaluminate, in cements. 60-04569A
thermal, of Al₂O₃-SiO₂-Li₂O glass-ceramics,
dependence on degree of crystallization. 60-01010A
of CdAl₂O₄, β-Si₃N₄, and other phenacite-type
compounds. 60-05523A
of Pb borate glasses in transition region. 60-04905A
of Pb silicate glasses. 60-03702A
and Poisson's ratio of inorganic glasses. 60-00974A
of Sb₂O₃-stabilized Bi₂O₃ polymorphs. 60-00840A
of Ti carbonitrides and oxy-carbides. 60-02003A
of cone 01-1 bright glaze, effect of additives. 60-01473A
of cordierite. 60-00841A
of cordierite-based glass-ceramics. 60-04894A
of extruded cordierite. 60-01793A
of glasses, relation to softening point and Poisson
coeff. 60-04851A
in insulating materials. 60-00839A
in insulators, empirical determination. 60-00790A
of muscovite. 60-05567A
of glasses, at low temps. 60-03703A
of rare earth antimonides of M₂Sb₃ composition.
60-02007A
of titanosilicate glasses, as function of heat
treatment. 60-04895A

- Extraction.**
floculation-liquid, recovery of SiC whiskers from rice hulls by. 60-04260P
- Extruders.**
modern, performance of. 60-00623A
- Extrusion.**
clay, laminations in. 60-03840A
of honeycomb, method and die for. 60-04137P
- Fatigue.**
in ceramics. 60-04329A
dynamic, of abraded glass, residual stresses in. 60-01152A
of optical fibers, effect of temp. and humidity on. 60-03557A
of glass, effect of crack tip radii on. 60-00183A
in glasses, Na₂O–CaO–SiO₂. 60-02279A
predictions, dependency on form of crack velocity equation. 60-04297A
static, and dynamic effects, adding to Weibull distribution—correction. 60-00098A
dynamic, and cyclic, of ceramic materials. 60-05704A
of fused SiO₂ fiber lightguides. 60-00301A
in glass optical fibers having surface compression. 60-00273A
of glasses, modification of Hillig-Charles theory for. 60-01101A
micromechanics of flaw growth. 60-04369A
strength, of Si₃N₄ rolling bearings. 60-02948A
testing, of Na₂O–CaO glasses, equipment for. 60-03645A
tests, statistical reproducibility. 60-05450A
- Feeding apparatus.**
for agglomerates, in glassmelting furnaces. 60-04926P
pneumatic, for pulverized coal, regulation of. 60-02885A
- Field spar.**
from Alpine rocks, recovery of. 60-01716A
-containing sand, as glass batch material. 60-01044A
potash, study of fluxing effect in whiteware. 60-05194A
role of, in sintering of whiteware. 60-05226A
- Ferric compounds.** See *Iron*.
- Ferric oxide.** See *Iron*, *ic oxide*.
- Ferrites.**
60-05313P
Ba, chemically coprecipitated, formation. 60-00794A
BaTiO₃ and Mn Zn, agglomerates, containing polyvinyl alcohol, effect of humidity on compaction. 60-01524A
Co, Al³⁺-containing, reduction kinetics and microstructure. 60-00824A
Li, containing P pentoxide with V pentoxide or Bi trioxide sintering agents. 60-02786P
phase transformations during reduction. 60-04391A
Li–Ti–Zn, soft. 60-05350P
Mn–Zn, X-ray fluorescence analysis, application of coprex to. 60-02608A
crystals, friction and wear. 60-03299A
equilibrium O₂ pressures of. 60-04012A
Ni–Cu–Co, effects of Ti⁴⁺ addition on properties. 60-05608A
Ni–Zn, Co-doped, synthesis from Schoenite-type salts. 60-04045A
crystals, growth from melts of BaO–B₂O₃–ZnO–NiO–Fe₂O₃. 60-04018A
Sr hexa-, flash hot-pressing. 60-01533A
powders, ceramic and magnetic properties. 60-02939A
films, Mn-, Ni-, and Al-substituted Cu, LPE growth. 60-02661A
Mn–Zn spinel, grown under reduced O₂ pressures. 60-01544A
temp.-stabilized low-loss. 60-04103P
temp.-stabilized low-loss, process for making. 60-05341P
magnetite, formation of colloidal particles, kinetics. 60-04025A
monocalcium, modification of properties with CaSO₃. 60-04551A
powder, hexagonal, process for making. 60-05342P
powders, chemical preparation. 60-05290A
process for making. 60-05343P
process of preparing. 60-04095P
spherical grain, process and apparatus for making. 60-00595P
preparation, small-scale, method for. 60-01515A
resistivity, dc, effect of various substitutions. 60-01525A
resonators, self-biased. 60-02789P
spinel Li, sintering and magnetic parameters. 60-01561A; 60-01562A
- Ferroelectric materials.** See also *Barium titanate*;
Dielectrics; *Ferroelectricity*.
BaTiO₃, domain formation, X-ray topographic study. 60-04205A
PbMg_{1-x}Nb_{2-x}O₆–PbNi_{1-x}Nb_{2-x}O₆–PbZn_{1-x}Nb_{2-x}O₆, synthesis and physicochemical properties. 60-04439A
anti-, 4PbO–GeO₂. 60-01933A
for capacitors, low-voltage. 60-05314P
layered, formation of ceramic material based on. 60-05275A
perovskites, lattice modes in. 60-03119A
solid solutions, based on NaNbO₃, phase transitions and electrical properties. 60-04392A
morphotropic phase transitions. 60-04373A
thermodynamics, during localization of electrons. 60-04457A
- Ferroelectricity.** See *Barium titanate*; *Ferroelectric materials*.
- Ferroelectrics.**
PZT, with ladder-type structure, preparation and properties. 60-04036A
- PbNb₂O₆, grain-oriented. 60-04337A
charge release, nonlinear, of piezoelectric ceramics under uniaxial pressure. 60-04033A
crystals, Bi₂WO₆, growth of. 60-04289A
detectors, pyroelectric, threshold measurements on. 60-03996A
fracture processes in. 60-04014A
perovskite, role of B-site cation disorder in transition behavior. 60-05692A
photo-, imaging in PLTZ, model for improvements in. 60-05283A
relaxors, in system Pb(Mg_{1-x}Nb_{2-x})O₆; PbTiO₃; Ba(Zn_{1-x}Nb_{2-x})O₆, dielectric properties. 60-04004A
transitions in, diffuse phase, contribution of structural disorder. 60-01857A
- Ferromagnetic materials.** See also *Magnetic materials*.
60-04475B; 60-04476B
- Ferrous compounds.** See *Iron*.
- Fibers.** See also *Composites*; *Glassmaking equipment*.
60-02537P
Al₂O₃-containing, method of making. 60-02553P
B₂C, high strength yarn from. 60-02545P
B, SiC, and Al₂O₃, dynamic modulus and damping. 60-00706A
BN, BN bonded article. 60-02980P
BN bonded article, from boric oxide fiber. 60-02981P
C and glass, composites, fracture in monotonic loading. 60-01750A
E-glass, effect of organic acids on. 60-04720A
industry, uncessarily restrictive technology. 60-03478A
GeO₂–P₂O₅–SiO₂, graded-index, effect of deposition rate on spectral loss. 60-02269A
MgO compacts with, sintered, characterization of. 60-00770A
PZT, continuous poling technique for. 60-01513A
SiC, heat-resistant composite reinforced with. 60-00752P
metal matrix composite reinforced with, method of making. 60-01811P
SiO₂, fabric, structural stability. 60-00279A
wavelength dispersion characteristics. 60-02721A
VAD, transmission properties. 60-02350A
ultra-wide bandwidth. 60-02352A
ZrO₂-containing glass, use in reinforced cement. 60-04576A
aluminosilicate, in board linings for furnaces. 60-03870A
with glass-ceramic structure. 60-03868A
apparatus for producing. 60-02366P
asbestos, chrysotile, method of heat-treating. 60-03933P
surface charge heterogeneity. 60-03211A
basaltic, use in ball mills to reduce noise. 60-04514A
behavior, in Ti and Ti–Ca enamels. 60-00951A
bundles, termination. 60-03745P
carbon. 60-02938A
from SRC pitch. 60-05526P
aligned composite approaching theoretical strength. 60-02932A
composite article made with. 60-05528P
high strength, from mesophase pitch, analysis of flaws in. 60-01730A
production of fabric from. 60-01831P; 60-01832P
ceramic, contributions to new technology. 60-00403A
composites, commercial opportunities for. 60-05750B
load-bearing. 60-04480B
concrete. 60-02117A
concrete reinforced with. 60-02173A
core, optical, method for making. 60-01261P
coupling, using graded-index lenses. 60-01045A
crystals, for in waveguides, growth of. 60-00175A
effect on stacking faults, oxidation-induced. 60-03105A
epitaxial layers on, ZnSe and ZnS, kinetics of growth. 60-01543A
formation into strands, method and apparatus. 60-02414P
forming spinner for, rotary. 60-04997P
glass, SiO₂, observation of fluorescence in. 60-03623A
aluminosilicate, structure during heating. 60-04882A
analysis of surface finish. 60-04666A
apparatus for drawing. 60-01211P; 60-04912P
aqueous size for. 60-02367P; 60-02368P
asphalt-coated. 60-02369P; 60-02370P; 60-02371P
for bushings. 60-03732P
coating composition for. 60-02389P; 60-03733P
composite materials reinforced with, production and properties. 60-05516A
cuttings, treatment of. 60-01306P
dependence of elastic moduli on thermal history. 60-03469A
development, history. 60-02263A
deviations from linearity in dependence of elongation on force. 60-04704A
device for drying the sizing. 60-00311P
elastomeric coating for. 60-03743P
emulsion composition for treating. 60-01230P
formation of. 60-03750P
gypsum board reinforced with, method of making. 60-03404P
high-temp. filter assembly for. 60-04927P
industry. 60-02292A
insulation, relation to heat transfer to optical properties. 60-00254A
kinky, method for forming and treating. 60-04953P
lightweight web. 60-01830P
low cost cutter for. 60-03593A
made by double crucible technique, optical properties. 60-01118A
- mat. 60-04979P
mat, binder for. 60-02372P
mat, with improved binder. 60-03751P
method and apparatus for forming. 60-03764P
method for making. 60-00344P; 60-01256P; 60-04958P
method of dispersing for mats. 60-03778P
mfg., using refractory bushing. 60-01232P
multicomponent, strength of. 60-03680A
nondiscoloring size for. 60-02431P
nonwoven product, method for making. 60-00321P
for optical transmission. 60-04942P
plastic coating of, effect on strength. 60-01126A
plastics reinforced with. 60-03506A
polyolefin size for. 60-03812P
process for forming connection between. 60-00367P
process for making multilayered sheets. 60-03803P
production. 60-03289B
with reduced gumming deposits. 60-03752P
with reduced gumming deposits, method of making. 60-01274P
refractive index, study, using interference microscope. 60-03564A
refractory, production from natural raw materials. 60-01387A
reinforced thermoplastic laminate. 60-02441P
sewing thread, composition for treating. 60-04924P
sheets, mica-filled, method of making. 60-02422P
silicate, structural anisotropies, ESR study. 60-01040A
size composition for. 60-01240P; 60-01299P
size for, with reduced gumming. 60-00376P
sizing composition to improve uv stability. 60-05000P
stabilization of feed in fiberization by toration. 60-03810P
strength of cements reinforced with, reliability analysis. 60-04874A
as substitute for asbestos. 60-04468A
synthetic, structure. 60-00282A
systems ZrO₂–SiO₂ and Na₂O–ZrO₂–SiO₂; preparation of. 60-00246A
glass metal alloy, foundry molds containing. 60-03928P
glass-ceramic, structure/property relations. 60-01175A
in glasses, Na₂O–SiO₂, effect on phase separation. 60-01025A
graded-index, for field trials. 60-01058A
measurement of mode conversion coeffs. 60-00209A
optical loss measurement. 60-01115A
graphite, alignment process and apparatus. 60-05531P
glass composite reinforced with. 60-04236P
metal matrix composite. 60-00744P
hollow, inorganic refractory, process for making. 60-00471P
inorganic. 60-02957A
light scattering from. 60-01081A
lightguide, drawing of. 60-03476A
linings. 60-02543P
for ceramic kilns. 60-05462A
use in porcelain enameling furnaces. 60-00087A
long, optical Kerr effect in. 60-03262A
metal, application to refractory skid lining. 60-02508A
method of splicing, by CO₂-laser. 60-03786P
mineral, apparatus for collecting. 60-03762P
apparatus for distributing. 60-02410P
apparatus for processing. 60-04914P
apparatus for producing. 60-04916P
effect of composition of basalt on properties. 60-04772A
material based on. 60-02993P
method and apparatus for forming. 60-02411P
method for making. 60-02552P; 60-04956P
mfg., suppression of pollution. 60-01303P
with unitary length, method for making. 60-01266P
multimode, interrelation between wave absorption loss and dispersion. 60-03565A
optical, CVD using rf plasma. 60-03790P
Raman scattering in, three-wave-stimulated. 60-00291A
SiO₂, effect of purity of reactants on attenuation. 60-00185A
acoustic sensitivity predictions using Brillouin scattering. 60-03429A
apparatus for mass producing. 60-02363P
birefringence induced by bends and twists. 60-00111A
cable, strain measurement using resistance wire. 60-02339A
cable, submarine. 60-00380P
cables, methods of terminating. 60-03789P
cables, terminating. 60-03815P
clad, pressure sensitivity of. 60-01135A
coating die, measurement of fluid dynamic centering force in. 60-02309A
coating of, laser photochemical synthesis. 60-00338P
concentric core, coupler for. 60-03737P
coupling element for, method of making. 60-02428P
device for organizing. 60-03740P
double crucible method for making. 60-00313P
double crucible system for producing. 60-03741P
drawing, method for monitoring. 60-01263P
dynamic fatigue of, effect of temp. and humidity. 60-03557A
end preparation. 60-03628A
etching of. 60-03744P
fabrication. 60-00360P; 60-04981P
fabrication process. 60-03793P
glass. 60-04982P
glass, having surface compression, static fatigue in. 60-00273A

- graded-index, method for making. 60-04973P
graded-index, process for making. 60-02440P
graded-index, profile dispersion characteristics. 60-01138A
graded-index, transmission characteristics. 60-01189A
with high durability, made from multicomponent glass. 60-03794P
with high stability to nuclear radiation. 60-02433P
high-bandwidth, relation of propagation to material properties, measurement. 60-01088A
high-strength. 60-02401P
index matching fluids for. 60-02299A
laying head for cable production. 60-02432P
loss reduction in. 60-01083A
low loss. 60-00201A
measurement of diameter using Fourier transform. 60-00208A
measurement of dispersion in. 60-02310A
measurement of refractive-index profile. 60-02308A
mechanical reliability of. 60-00211A
mechanical tempering of. 60-01090A
method for coating. 60-03769P
method for mounting microsphere coupling lenses on. 60-04961P
method of making. 60-01272P; 60-01276P; 60-02427P; 60-03784P; 60-04971P; 60-04980P
method of making, using thermophoretic deposition. 60-03780P
mfg. 60-01281P
mfg. and properties. 60-03627A
mfg. by double-crucible method. 60-00202A
monitoring composition of particulate during production of, method. 60-01258P
for operating wavelengths longer than 2 μ m. 60-01114A
packaged, tensile performance. 60-03701A
photosensitivity effect in. 60-04825A
polarization-preserving. 60-04987P
preform tubes, method for exhausting. 60-04952P
preform, apparatus and method for making. 60-01205P
preform, nondestructive testing. 60-00644P
preforms, fluorescence profiling. 60-03513A
preforms, holographic measurement of refractive-index profile. 60-03547A
preforms, method of making. 60-00343P; 60-03774P; 60-03779P
preforms, refractive-index and geometry, nondestructive measurement. 60-00228A
process and apparatus for making. 60-02438P
process for making. 60-01289P
produced by high-rate MCDV. 60-00177A
production. 60-00346P
profiles, using refracted near-field technique. 60-03629A
production. 60-00370P
quartz glass, kinetics of radiation-induced defects. 60-03577A
refractive-index, calculations of stress-induced changes in. 60-02249A
semiproduct for, method of making. 60-01267P
silicone primary coat for. 60-02315A
step-index, core diameter measurement. 60-01060A
strengthening by porous glass process. 60-00124A
structural properties of GeO₂ particles used for. 60-03683A
theory, implications in mfg. 60-03588A
transmission systems, reliability tests on semiconductors for. 60-00519A
uv-excited fluorescence in. 60-03714A
waveguides, radiation-induced absorption bands in. 60-00252A
welder with aligning mirror. 60-03746P
oxide, refractory, production from solutions of Al and Zr salts. 60-05105A
from solvent solution, method for making. 60-04993P
parabolic index, attenuation of. 60-02244A
polypropylene, in cement composites, thermal degradation of. 60-04572A
and preforms, axial refractive index depression in. 60-03437A
mfg. 60-03587A
problems with, in enameling industry. 60-00957A
production, from thermoplastic materials, method and apparatus for controlling. 60-03763P
products, method and apparatus for making. 60-03766P
quartz, liquid core, in transmission at He-Ne laser wavelength. 60-04021A
refractory. 60-05164P
effect of diameter on thermal conductivity of insulation. 60-03884A
felt. 60-05152P
high-Al₂O₃, for insulation. 60-00400A
inorganic oxide. 60-02562P
insulated module. 60-02548P
insulating slab. 60-02549P
insulating slabs made from, for furnaces. 60-02574P
linings for furnaces, method for making. 60-00462P
method of making. 60-02552P
nonfrangible Al₂O₃-SiO₂. 60-03935P
process for making. 60-02551P
produced at new ICI plant. 60-05086A
shrink-resistant, process for making. 60-01458P
synthetic inorganic nonmetallic. 60-05127A
treatment. 60-05186P
-reinforced, product, method of making. 60-04237P
reinforcement, of ceramics, model investigations. 60-04218A
and rods, refractive index, method of making. 60-02424P
-scopes, from leached fiber image bundles. 60-00227A
sheet materials. 60-02998P
single-mode, with arbitrary index profile, normalization of. 60-01108A
dispersion characteristics, correlation between numerical predictions and measurements. 60-00997A
effect of refractive-index dip on wavelength. 60-02626A
microlens tipped on, for (In,Ga)(As,P) laser coupling improvement. 60-02311A
microlenses for coupling to film waveguide. 60-01096A
vapor deposition. 60-02278A
sisal, flexural strength of cement-based composites using. 60-04210A
size of, apparatus for measuring. 60-04165P
stainless steel, to extend refractory life. 60-03910A
steel, properties of refractories reinforced with. 60-03903A
substrates, for composites, method of making. 60-00754P
textile, E-glass, wetting characteristics. 60-01201A
ultrafine, method for making. 60-05533P
unclad, intrinsic diameter of, definition and calculation. 60-01068A
vapor phase axial deposited, transmission characteristics. 60-02348A
waste and cullet collection process, apparatus for. 60-02385P
waveguide, method of coating. 60-02419P
wound and chopped, high strength composite made from. 60-00336P
wound and swirled, high strength composite made from. 60-00337P
Fibrous materials,
mats, glass, apparatus for heat treating. 60-03725P
method and apparatus for making. 60-03766P
refractory. 60-03927P
treatment. 60-05186P
Filaments. See also *Fibers*.
Au, glass-coated melt spinning of. 60-03541A
SiC, diffusion barrier materials on, study. 60-00716A
apparatus for processing. 60-00304P
carbon, CVD B on, calculation of stresses. 60-00699A
glass, method and apparatus for forming. 60-03764P
method for making. 60-01256P
glassy metal alloy, foundry molds containing. 60-03928P
optical, glass, method of making. 60-03785P
surface enhancement, for casting and molding SiC/Al composites. 60-00712A
textile, E-glass, wetting characteristics. 60-01201A
Fillers,
Ba Al silicate, for uv curable composites. 60-02982P
glass, granulated foam, for cellular plastics, selection of batch composition. 60-01154A
Films. See also *Coatings* and *specific types*.
Ag In sulfide, spray pyrolysis. 60-01563A
Al₂O₃, CVD, on III-V binary semiconductors. 60-01510A
impurity-doped, electroluminescence in. 60-03237A
sputtered, structure. 60-02713A
used in electron tunneling spectroscopy, XPS study. 60-00526A
Al/SiO₂-B₂O₃/Au, electrons emitted by, energy distribution. 60-01532A
AlN, deposition on glass by magnetron sputtering. 60-04028A
formed by rf glow discharge, current-voltage characteristics. 60-02617A
piezoelectric, growth by magnetron sputtering. 60-02670A
As₂S₃, noncrystalline, photoinduced changes of optical properties and holographic parameters. 60-02683A
Au, condensed on glass, coalescence of. 60-04688A
particles in SiO₂, solar absorber consisting of. 60-04048A
B₂O₃, method for applying to SiO₂ substrate. 60-00562P
BN, elasticity and thermal expansion coeff. 60-02631A
electrical properties and switching characteristics. 60-02653A
synthesis by pyrolysis of BN compounds. 60-03171A
Ba(Ti,Sr)₂VO₄, perovskite-type ferroelectric, diffuse phase transitions in. 60-02623A
BaPb₂BiO₆, superconducting, preparation by rf sputtering. 60-00516A
BaTiO₃, dielectric properties, effect of sinusoidal electric field on. 60-01538A
Bi oxide, vacuum-deposited, dielectric properties. 60-01521A
C, diamond-like, frictional properties. 60-02952A
diamond-like, produced by glow discharge of hydrocarbon gases, properties and coating rates. 60-01780A
Ca phosphate, on bioglass, formation of. 60-05504A
formation on silicate glasses. 60-01048A
CaF₂, initial ionic thermocurrent in. 60-02658A
Cd Sn oxide, deposited by dc reactive sputtering. 60-02611A
Cd₂ZnS₂, photoluminescent properties. 60-02684A
Cd₂Zn₂S₂, chemically sprayed, carrier density and mobility. 60-01511A
CdF₂:NaF, blue electroluminescence in. 60-02247A
CdS, CdSe, and CdTe, structure and growth on stainless steel substrates. 60-01568A
CdS(Cu,Cl), photoconducting, effect of frequency on voltage and properties. 60-01539A
surface and bulk photoconductivity. 60-02716A
CdS/Cu₂S, solar cells, design and fabrication. 60-01520A
Ce oxide, method for vapor depositing. 60-01606P
Cr-SiO₂, electrical and structural properties. 60-01527A
Cu₂-S₂, ordering process in, electron diffraction study. 60-01530A
CuInS₂, sputter-deposited, growth and properties. 60-01534A
Fe oxide, for semitransparent photomasks. 60-01517A; 60-01518A
Fe₂O₃, dc reactively sputtered, mechanical stresses in. 60-04031A
Fresnel lenses, on SiO₂/Si substrate. 60-04022A
GaAs, Si₃N₄-capped, B-implanted, annealing of damage and redistribution of Cr. 60-02606A
deposition. 60-02764P
epitaxial growth of. 60-00564P
growth dependence of deep levels in. 60-02295A
Ge, on SiO₂, grain growth during laser crystallization. 60-02706A
GeSe₂, whisker growth in, induced by Ag photodoping. 60-05738A
Group IV metal and nitride, ion bombardment of. 60-01759A
In₂O₃, and Sn-doped In₂O₃, preparation by reactive evaporation. 60-02688A
Sn-doped, preparation by magnetron sputtering. 60-02689A
determination of work function from photoemission. 60-02722A
transparent, prepared by thermal evaporation. 60-02650A
undoped, electrical properties. 60-02634A
In-Sn oxide, effect of ambient atm on annealing. 60-02625A
Li₂N, on WO₃, retarded deposition of. 60-03180A
Mn-SiO₂, annealed, dc resistivity. 60-02707A
MnCo₂O₄, dc sputtered, structural and electrical properties. 60-01567A
Mo silicide oxide, characterization. 60-00500A
MoS₂, rf sputtered, parameter effects on wear life. 60-01784A
Na beta-Al₂O₃, method of forming. 60-02767P
Na beta-Ga₂O₃, high ionic conductivity of. 60-05276A
Ni and Cu oxide, sputter-deposited, stresses in. 60-01566A
Ni₂C. 60-01934A
PZT, deposition by ion beam sputtering. 60-04002A
[(Pb,Sr)₂]-Sb₂O₃, dc sputtered, electrical properties. 60-04010A
PbTe, grown on LiNbO₃, structure and morphology. 60-01569A
Pd, and Ti, evaporated, interaction with single-crystal Si. 60-04023A
Pt, on Sn oxide substrates. 60-05351P
Pt group metal, on refractories, production. 60-01628P
Si, on graphite, deposition of. 60-01627P
molecular beam epitaxial growth on sapphire and spinel. 60-02643A
polycrystalline, low-resistivity. 60-01595P
Si oxide, doped, deposition. 60-00538P
Si₃N₄, CVD, applied to InP photodiodes. 60-01950A
CVD, resistivity measurements. 60-02697A
on InSb, low-temp. reactive formation. 60-01545A
deposited by SiCl₄-NH₃ reaction, electrical and mechanical properties. 60-02633A
determination of H, using proton-proton scattering. 60-03172A
energy-absorbing, on hot-pressed Si₃N₄. 60-05509A
made by reactive sputtering, properties of. 60-02693A
preparation and use. 60-01554A
use in passivation of integrated circuits. 60-02974A
Si-C and Ge-C, hydrogenated amorphous, if absorption of. 60-02657A
Si-on-ceramic, growth technique. 60-02738P
SiC, sputtered, composition and morphology. 60-05281A
SiO₂, P-doped, in spectra. 60-05683A
on Si or metallic silicides, etchant for. 60-01588P
on Si, electron beam damage in. 60-01936A
Si-rich, amorphous Si regions in. 60-03029A
Si-rich, charge trapping studies in SiO₂, using current injection from. 60-05265A
Si-rich, high current injection into SiO₂, from. 60-02645A
effect of F on oxidation-induced stacking faults. 60-03105A
gel. 60-04419A
grown in presence of O₂-trichloroethylene, negative bias instability. 60-01559A
reflectance study. 60-02243A
semiconductor, Auger spectroscopic study. 60-05262A
steam thermal, preparation and Raman characterization. 60-02338A
trapping centers in. 60-01962A
wear-resistant coatings, in magnetic recorders, process for making. 60-04094P
SiO₂/Si system, alkali metal migration and accumulation. 60-02660A
SiO₂, deposition and characterization. 60-02621A
SnO₂, electrical properties. 60-01529A
on glass substrates, electrical properties. 60-00147A
spectrally selective, on black enamel. 60-00092A
sprayed. 60-02709A
Sr,Nb,O₆, rf sputtering. 60-01558A
Ta silicide, stabilization of sputtered β -Ta by. 60-01564A

- Ta₂O₅, refractive index. 60-00260A
Ta₂O₅ and TiO₂, reactive dc sputtering, magnetron-plasma. 60-01782A
Ta₂N, thermal oxidation and resistivity. 60-01572A
Te oxide, dielectric properties. 60-02708A
(Ti,Zr)B₂ and (Ta,Ti)B₂, CVD. 60-01737A
TiC, on WC, diffusion processes, ion beam analysis of. 60-01541A
on steel and carbides, load-bearing capacities. 60-01762A
TiN, and Ti₃N₄, prepared by activated reactive evaporation deposition, microstructures. 60-01767A
to be etched. 60-00606P
formation and properties. 60-01783A
protective coating for vacuum deposition chamber. 60-01794A
sputtered, effects of substrate bias on structural and electrical properties. 60-02629A
TiO₂, absorption indexes and reactive evaporation. 60-02604A
TiSi₂, on Si substrates, oxidation mechanisms. 60-05285A
V₂O₅, deposited from gels, semiconducting properties. 60-02703A
W oxide, anodic, electrooptic and electrostrictive effects in, ellipsometric study. 60-02638A
W-Al₂O₃, composite, deposition by oxide evaporation. 60-01742A
WO₃, effect of Au surface layer on electrochromic behavior. 60-02656A
evaporated, mechanisms of electrical conductivity. 60-01546A
WSi₃, steam-oxidized, Auger sputtering study. 60-03208A
YIG, method for controlling resonance frequency. 60-05324P
ZnO, highly oriented, grown by oxidation of diethylzinc. 60-02651A
piezoelectric, deposition by magnetron sputtering. 60-02648A
piezoelectric, prepared by planar-magnetron sputtering characterization. 60-02612A
on sapphire, CVD. 60-02613A
on sapphire, structure and SAW properties. 60-02714A
ZnS, and ZnSe, epitaxial layers on F, kinetics of growth. 60-01543A
electroluminescent, heat treatment. 60-02644A
on glass, condensation and stability. 60-02615A
ZnTe, growth on ceramic substrate. 60-04016A
ZrO₂, optical properties. 60-01116A
translucent, fabrication by modified doctor blade method. 60-02641A
absorption, photoacoustic measurements. 60-05286A
analysis, using energetic ions. 60-01658A
antireflection, with aspherical layer. 60-03805P
gradient-index, on borosilicate glass, weathering of. 60-00298A
for lasers. 60-02294A
vacuum-etched high-transmittance. 60-02676A
apparatus for peeling off substrates. 60-01576P
bubble, LPE dipping of wafers for growth of. 60-02756P
buried, in semiconductors, method for forming. 60-02755P
cells, photovoltaic, with blocking layers. 60-02795P
ceramic, deposited on metallic substrates, measurement of mechanical properties. 60-00719A
chalco-genide, process of doping Ag image in. 60-04994P
chalco-genide-glass, threshold switching in. 60-02347A
chlorophyll-a Langmuir-Blodgett, deposition on SnO₂, optically transparent electrode. 60-04001A
crystal, method for bonding to substrates. 60-02762P
crystalline, growth of. 60-02732P
piezoelectric, of ZnO, method of making. 60-00593P; 60-01621P
deposition apparatus, using rf glow discharge. 60-04104P
dielectric, interfacial properties of metal-Si oxide-metal structures in relation to. 60-01540A
electrochromic display, all solid state, based on α-''WO₃'' . 60-02690A
electrolyte reservoir, fuel cell, method for making. 60-00547P
epitaxial refill, planar, using LPE. 60-02780P
ferrite, Mn-, Ni-, and Al-substituted Cu, LPE growth. 60-02661A
Mn-Zn spinel, grown under reduced O pressures. 60-01544A
temp.-stabilized low-loss. 60-04103P
temp.-stabilized low-loss, process for making. 60-05341P
garnet, Er₂Al₂Ga₂O₁₁, crystallization from melt. 60-05585A
magnetic, treatment. 60-00607P
simultaneous formation on plurality of substrates. 60-05349P
glass, method and apparatus for making. 60-03765P
grown by vacuum deposition, structure and properties. 60-01570A
low-work-function, role of Ce suboxides in, spectroscopic study. 60-02698A
magnetic, easy direction of magnetization, method for modifying. 60-00566P
method of making. 60-01612P
methods of annealing. 60-02775P
metal, on crystalline ceramics, adhesion mechanism. 60-05258A
and mixed metal chalcogenides, semiconductors, deposition. 60-01625P
oxide, formed by pyrolysis, method for improving alkali durability. 60-03770P
strength of glasses coated with. 60-04875A
metal-ceramic, minimizing formation during casting of superalloys. 60-01813P
metal-insulator-metal, used as nonheated source of electrons. 60-04047A
metallized, peel testing. 60-00513A
microcircuit, phosphosilicate glass, removal of P from surface regions. 60-04086P
microcircuit board. 60-00604P
mirror, glass. 60-01242P
molecular-beam epitaxy system, including H treatment. 60-02776P
multilayered, laser damage in, electric field distribution and reduction. 60-00504A
multiple, method for epitaxial deposition. 60-00570P
nitride, deposition by ion beam sputtering. 60-01550A
nonreflecting, multilayer. 60-03792P
octadecyl amine, on glass, effect of bivalent anions on formation. 60-03556A
optical, properties. 60-02332A
optical excitations in. 60-04375A
oxide, on Hg_{1-x}Cd_xTe, plasma oxidation process for forming. 60-05288A
Raman spectroscopy. 60-02852A
on Si, structure. 60-03207A
characterization by Raman spectroscopy. 60-03042A
glass coated with. 60-04947P
properties. 60-05298A
patterns, method of defining on substrates by air abrading. 60-01626P
photochromic, gradient photochromic, method for producing. 60-01095A
process for producing. 60-04091P
rare earth, epitaxial, preparation. 60-02781P
on ribbon substrate, for electrical components. 60-01637P
semiconductor, fabrication by MBE. 60-04077P
semiconductor, method for growing. 60-04071P
production on monocrystalline substrates, by LPE. 60-04092P
silicides and Si₃N₄, refractory, elasticity and expansion coeff. 60-02632A
single-crystal, process for forming. 60-00596P
sputtered-SiO₂, effect on output of (GaAl)As lasers. 60-02272A
thickness, device for measuring. 60-01686P
thin, microcircuits adapted for laser trimming. 60-00605P
of uniform thickness, apparatus for depositing. 60-01210P
vitreous, CVD, temp. dependence of stresses in. 60-05296A
waveguiding, thickness, refractive index, and dispersion, determination with Abbe refractometer. 60-01012A
wetting and adhesion behavior, optimization. 60-04035A
Filters,
dielectric interference, multilayer. 60-02429P
for dust separators, on glassmelting furnaces. 60-04872A
element, multipurpose. 60-02826P
high-temp., for glass fiber media. 60-04927P
packed-bed, counter-current, development of. 60-02189A
panels, method and apparatus for cleaning. 60-00626P
pressure, tube. 60-05419P
refractory, for diesel exhaust particulates. 60-05153P
Filtration,
of slurries, kaolin. 60-05207A
Fine ceramics. See *Whiteware*.
Firebrick. See *Refractories*.
Fireclay. See *Refractories*.
Firing. See also *Burners; Calcination; Combustion; Flames; Furnaces; Kilns; Ovens; Sintering*.
O process, for reducing fuel costs in clay industry. 60-02882A
accelerated, of porcelain sanitary wares. 60-05187A
bottle oven, last firing with coal, in England. 60-00010A
ceramic products, method and apparatus for. 60-04182P
with coal, in structural clay industry. 60-05014A
compacts and cores, graphite/Al₂O₃, method for. 60-02753P
continuous and intermittent, of whiteware, advantages of. 60-00479A
cores, graphite/Al₂O₃, setter for. 60-00452P
energy-conscious. 60-02876A
fast, curve for tunnel kilns, design of. 60-05455A
of dinnerware, sled kiln, for. 60-01695A
of external wall tiles. 60-05225A
of sanitary ware, thermal behavior of compositions and raw materials. 60-00491A
and traditional, heat balances of equivalent kilns. 60-02896A
of triaxial porcelain. 60-01477A
in whiteware industry, designing for. 60-01479A
gas and oil, cost of efficiency in. 60-01691A
kilns, with waste tires. 60-03403P
microwave, use in 1990. 60-01698A
porcelain, triaxial. 60-02584A
schedules, for kilns, development by thermal resistance calculation. 60-05456A
symmetry. 60-01702A
of tiles, effect of temp. and Ca and Mg on F release during. 60-05203A
top, of tunnel kilns, economics of, and convertibility to coal. 60-05467A
Fission,
distribution, measurement by tracer method in dielectrics (SSTR). 60-02804A
Flames. See also *Burners; Firing*.
plasma, heat transfer to a stationary sphere. 60-04213A
Flaws. See *Defects*.
Flexure,
tests, biaxial, for ceramics. 60-00629A
Flotation. See also *Separation*.
froth, process using hydroxyethylethylenediamines as collectors. 60-05490P
of inorganic materials, from glass, using hydrocarbon sulfonates. 60-04928P
of raw materials, mineral, method and apparatus. 60-05492P
recovery of quartz by, industrial-scale. 60-01712A
upgrading of glass sands by. 60-01719A
Flow,
behavior, influenced by type of clay. 60-00420A
of cements, changes in behavior during storage. 60-02081A
concept, in pressure sintering. 60-00807A
of glass, molten, in throat of electric glassmelting furnace. 60-04745A
of heat, glass-to-metal, during glass container forming. 60-00173A; 60-04760A
of materials, in cement ball mills, radioisotopic study. 60-03378A
plastic, of NaCl, effect of gamma radiation. 60-03066A
pumpability, of refractory concrete. 60-05108A
two-phase, nonequilibrium, measurement of phase temp. 60-01925A
of viscous liquid, in laminar lens through prismatic channel, course of level curve. 60-04694A
Fluids. See *Liquids*.
Fluorapatite. See *Apatite, fluor*.
Fluorescence,
in fibers, SiO₂ glass, observation of. 60-03623A
laser-induced, selective detection of U by. 60-04157A; 60-04158A
low-temp., in sapphire. 60-04365A
of phosphors, alkali and alkaline earth rare earth metaphosphate glass. 60-03514A
of powders, mixed. 60-04330A
profiling, of optical fiber preforms. 60-03513A
uv, in optical fibers and preforms. 60-03714A
yield, of F⁺ centers in SrO. 60-03223A
Fluorides,
AgUF₆ and AgUOF₆, preparation and properties. 60-03167A
CdF₂/NaF, films, blue electroluminescence in. 60-02247A
LiF, -MgF₂, solid solutions, precipitation. 60-05678A
and MgF₂, transmission, proton-induced degradation. 60-01960A
MgF₂, solid solutions, sintering of. 60-05696A
RbF-LiF, system, interactions in. 60-03110A
Y Li, refractive indices, temp. variation. 60-01996A
double, of K and rare earths, transformations in. 60-03240A
implanted, in graphite compounds, NMR study of mobility of. 60-03134A
solution, containing SiO₂, preparing high purity cryolite from. 60-02442P
tetra-, of Zr and Hf, interaction with Zr fluoride. 60-01911A
of transition elements, new glasses formed by. 60-03621A
Fluorine,
-H, environment, LaB₆ C composition for use in. 60-04241P
environment, advanced ceramic materials for. 60-04200A
-containing clinkers, production, in mfg. rapid-hardening cements. 60-04559A
content, of glasses, determination by X-ray fluorescence spectrometry. 60-03652A
emissions, in structural clay industry, noxious effects and control. 60-02489A
in glasses, Ba phosphate, effect on thermo-optical characteristics. 60-03487A
release, during firing of tiles, effect of temp. and Ca and Mg. 60-05203A
Fluorite,
oxides, measurement of thermo- and electrotransport in. 60-05375A
Fluorspar. See *Fluorite*.
Fluxes,
brazing, dip. 60-00096P
luminous, glass for controlling. 60-04944P
muscovite and potash feldspar, study of effect on whiteware. 60-05194A
nepheline ore, Belogorsk, use in mfg. floor tiles. 60-03949A
trachyte, use in production of sanitary ware. 60-03977A
Fluxes, welding. See *Welding*.
Fly ash. See *Ash, fly*.
Foamed ceramics,
clay, compositions. 60-03863P
glass. 60-04945P
effect of adding water glass to charge during production. 60-04724A
in system shirasu-glass-partially dehydrated water glass, study. 60-04886A
thermo-, phono-, and hydro-insulating. 60-04746A
refractory elements, process for making. 60-05162P
Foaming agents,
chemical, for borosilicate glasses. 60-00163A
Formation,
of BN, cubic, using Ca oxide and Li nitride as catalysts. 60-05510A
of FeAl₂O₃, free energy of. 60-05615A
of PZT, solid solutions, reaction mechanisms. 60-04407A
electrophoresis, of solid particles of slip. 60-05274A

- of ferropinsels, from mixture of Fe_2O_3 and NiO , kinetics and mechanism. 60-05644A
- of glass bodies. 60-05752B
- of glasses, TiO_2 - SiO_2 , by chemical polymerization. 60-00166A
- cellular, with carbonates and mica powders. 60-03520A
- from melts of nonmetallic compounds of type A_2B_2 . 60-04755A
- in system As-S-Ag . 60-04756A
- in system As-Te . 60-04757A
- in system CaF_2 - AlF_3 - P_2O_5 . 60-03518A
- in system F-containing alkali-free gallogermanate. 60-04753A
- in system $\text{Na}_2\text{O-B}_2\text{O}_3\text{-Al}_2\text{O}_3\text{-ZrO}_2\text{-SiO}_2$. 60-04752A
- in systems Ge-Te-Ga and Ge-Te-In. 60-04754A
- of hydroxyapatites, synthetic and bone. 60-03086A
- mechanisms, in macroporous glass. 60-03519A
- minerals, in molten quartz sand-limestone-dolomite-clay mixtures and their glasses. 60-04805A
- of mullite, in presence of Cr_2O_3 , kinetics. 60-04362A
- reactions, of Pb/TaMnO_3 . 60-04412A
- ring, study by segmentation method. 60-04568A
- of sialons, heats and free energies of, spectrometric study. 60-00800A
- of silicates, by solid-state reactions. 60-03087A
- of spinels, Mg-Al. 60-04331A
- Forming,**
- fibers, mineral, environmental control for. 60-00320P
- glass containers, glass-to-metal heat flow during. 60-00173A
- low pressure, of fused SiO_2 compositions. 60-00461P
- metal, ceramic, or polymer compositions, method for. 60-05326P
- mullite, process for. 60-05339P
- sheets, of single crystal semiconductor material. 60-05329P
- Forsterite.** See also *Refractories.*
- crystals, self-diffusion coeff. of O in. 60-03186A
- preparation, characterization, and measurement of dielectric constant. 60-01958A
- refractories, charge for. 60-01423P
- Fracture.** See also *Cracks.*
- of B.C. 60-00787A
- of Ba hexaferite, isotropic and textured. 60-04333A
- of C and glass fiber composites, analysis of. 60-01750A
- of MgAl_2O_4 , polycrystalline. 60-00795A
- of PZT. 60-04013A
- of Si_3N_4 , reaction-sintered, fractography. 60-03089A
- behavior, of composites based on Al_2O_3 - TiC . 60-04211A
- of reaction-bonded Si_3N_4 , turbine shrouds. 60-05511A
- biaxial, studies of glass-ceramics. 60-00983A
- catastrophic, of glass, effects of liquids on crack growth. 60-00136A; 60-03477A
- caused by grain boundary sliding and brittle cracking. 60-04295A
- cracks, curvilinear, calculation of stress factors for. 60-00640A
- delayed, of brittle materials, statistical approach. 60-01167A
- susceptibility of Al_2O_3 -mullite to. 60-02977A
- energy, in ceramics, grain-size dependence. 60-04338A; 60-04339A
- in ferroelectric materials. 60-04014A
- of glass, effect of crack tip radii on. 60-00183A
- ion-exchanged, model for. 60-02314A
- impact, resistance in oxidation-toughened Si_3N_4 -20 vol% ZrO_2 . 60-01755A
- indentation. 60-02839A
- kinetics analysis, nonsteady state, theory. 60-02000A; 60-02001A
- mechanics, application to concretes. 60-03362A
- of brittle materials. 60-00810A
- of glass, approach to scoring and breaking. 60-00128A
- use in predicting lifetime of bioglass-coated Al_2O_3 . 60-02978A
- mechanisms, in ceramics, high-temp. 60-04346A
- micro-, threshold, during elastic-plastic indentation. 60-04458A
- of porous ceramic, sintered from spherical particles. 60-00831A
- properties, of diamonds. 60-04428A
- rectangular specimen, with constrained ends, load-displacement relation for. 60-00637A
- of refractories, significance of nonelastic deformation. 60-02528A
- resistance, of glasses. 60-00212A
- rotational, of Si_3N_4 , correlation of static strengths. 60-05050A
- shaling, glass-plastic lens blanks resistant to. 60-03735P
- strength, of dense hydroxylapatite. 60-01751A
- of hot-pressed Si_3N_4 . 60-01752A
- of machinable glass-ceramics, verification of double-torsion equation. 60-03715A
- of mortars, effect of shape and surface texture. 60-03355A
- studies, with DCB specimen. 60-00634A
- surface energy, of partially stabilized ZrO_2 . 60-03090A
- surfaces, of alloys based on TiC, electron microscopic study. 60-01892A
- toughness, of SiC, effect of loading rate. 60-01883A
- of brittle materials, determination using small specimens. 60-01664A
- of ceramics, acoustic emission testing. 60-01665A
- of ceramics, improvement by energy dissipative mechanisms. 60-04349A
- critical evaluation of indentation techniques for measuring. 60-05579A; 60-05580A
- of hot-pressed Al_2O_3 , effect of CaO doping. 60-04350A
- of hot-pressed Si_3N_4 -repy. 60-01753A
- of indented glass-Ni compacts. 60-00275A
- of oxidized reaction-bonded Si_3N_4 . 60-04225A
- of phase-separated glasses, Vickers indentation evaluation. 60-00292A
- of sintered alpha-SiC, estimation by flow fractography. 60-04327A
- Freezing and thawing.** See *Frost resistance.*
- Fresnoite,**
- crystals, surface acoustic wave characteristics. 60-03210A
- Friction,**
- between concrete surfaces, determination of. 60-03346A
- of diamond. 60-04334A
- of films, diamond-like C. 60-02952A
- internal, in Si-rich glasses during transition to viscous state. 60-00191A
- of doped MgO . 60-05637A; 60-05638A
- of glasses containing Fe with different redox ratios. 60-00272A
- in oxide glasses, new interpretation of. 60-00225A
- low, high-temp. coating with. 60-00747P
- materials. 60-03000P
- and shock-induced surface weakening, of industrial glasses. 60-04858A
- sliding, of Mn-Zn ferrite crystals. 60-03299A
- of SiC abrasive particles. 60-03300A
- Frits,**
- Pb, in glass industry. 60-03586A
- enameling. 60-04614A; 60-04661P
- broadening range of. 60-04600A
- nontoxic, for decorating glass, glass-ceramic, and ceramic articles. 60-00359P
- for oxide coatings, apparatus for resistance melting. 60-02902P
- Frost resistance,**
- of concretes, effect of slag cement on. 60-02133A
- Fuel elements,**
- nuclear, determining fissile content. 60-01644P
- Fuels.** See also *Ash, fly; Combustion; Gases; Oils.*
- alternative, natural and synthetic, combustion of. 60-00646A
- butane, use in ceramic industry. 60-00659A
- cells, method of preparing electrolyte for. 60-04081P
- coal, bed combustion gains momentum. 60-04170A
- controls for pulverizing systems. 60-02088A
- conversion of tunnel kilns to. 60-02871A
- grinding and drying with vertical mill and inert gas circuit. 60-02083A
- grinding plant at Laegedorf cement works, control devices for. 60-02180A
- mineral residue from liquefaction of. 60-02218P
- new gasification process. 60-02879A
- pulverized, consideration of explosive properties in construction of grinding plants. 60-02870A
- pulverized, pneumatically conveyed, regulated feed of. 60-02885A
- regulations in use. 60-04173A
- use in French cement industry. 60-04537A
- use in cement industry. 60-04515A
- use in structural clay products industry. 60-05014A
- combustion, in glass industry, recent achievements. 60-03655A
- conservation, in ceramic industry. 60-04174A
- through combustion control. 60-01689A
- effect on kiln design. 60-01692A
- delivery system, for furnaces and kilns. 60-01708P
- enrichment, with O, use in glass and ceramic industry. 60-05464A
- gas, low- and medium-energy, from coal, use in ceramic processes. 60-01704A
- radiant heater fired by. 60-04181P
- removal of S from. 60-00661P
- for glass industry, controlling costs. 60-04822A
- liquid, in France. 60-00651A
- mixing, effect on combustion in tunnel kilns. 60-05457A
- natural gas, use in glass industry. 60-03615A
- nuclear, Gd-containing, method for mfg. 60-05398P
- Pu-U sintered pellets, method for making. 60-01649P
- Th-bearing carbide, fabrication. 60-04122P
- UO_2 and ThO_2 , in-pile densification of porosity. 60-05371A
- assembly design for liquid moderated reactors. 60-02816P
- carbide, for fast breeder reactors, constitutional studies. 60-05357A; 60-05358A; 60-05359A
- compacts, mfg. 60-00613P
- dissolver for removing from fuel element segments. 60-02812P
- mixed oxide, method for homogenizing. 60-04123P
- mixed oxide subjected to thermal transients, microstructural study. 60-05376A
- particles. 60-04125P
- particulate, method for treating. 60-01648P
- pellets, fabrication from gel microspheres. 60-00611A
- pellets, process for making. 60-05405P
- pellets, production. 60-04126P
- recovery. 60-02817P
- reprocessing apparatus. 60-00617P
- rods, ventilating system for reprocessing. 60-05407P
- solid solution carbide. 60-00621P
- spent, concrete encapsulation for storage. 60-04120P
- spent, method for processing. 60-05399P
- spent, method for storing in repositories. 60-05400P
- spherical-shaped elements, process for making. 60-05470P
- stainless steel-clad mixed-oxide, effect of burnup on response to thermal transients. 60-04107A
- trico-coated particles, method of evaluating integrity. 60-00614P
- solid, milling and storage plants, safety in. 60-00657A
- and mixed, rotary kiln burners for. 60-00656A
- surveys, national, importance. 60-01697A
- usage, and burner design. 60-01696A
- wood, use in ceramic industry. 60-04169A
- Furnaces.** See also *Burners; Fuels; Kilns; Ovens; Refractories.*
- BOF, development and use of magnesite-C bricks in. 60-00407A
- $\text{Na}_2\text{O-CaO}$, emission control, using electrostatic precipitators. 60-00152A
- apparatus for lining, monitored by TV camera. 60-00453P
- arc, UHP, melting direct reduced Fe by. 60-00428A
- optimum use of refractories. 60-01377A
- roof linings, improved life of. 60-01373A
- roofs for, improvement by changing from SiO_2 to high- Al_2O_3 . 60-05087A
- blast. 60-02534P
- for heating granular lime. 60-02200P
- lining repair apparatus. 60-02547P
- reshaped hearth construction. 60-02557P
- chamber, annular. 60-01705P
- continuous ring, for C articles. 60-00662P
- electric, basic bricks for 100 ton roof. 60-05133A
- fused-cast AZS chrome-bearing refractories for. 60-05081A
- glassmelting, electrodes for, inclined to vary firing path. 60-00316P
- refractory metal components, reducing deterioration. 60-00467P
- electric arc, C-MgO bricks in. 60-02509A
- alteration of refractories for hot spots. 60-05047A
- linings. 60-05147P
- refractory wear in. 60-00421A
- results of use of refractories in roof with water-cooled panel. 60-05121A
- results of using high- Al_2O_3 , ramming mix for roof center. 60-05119A
- with sponge iron charge, refractories for. 60-03906A
- study of high- Al_2O_3 shapes. 60-05062A
- enameling, energy-efficient. 60-04611A
- fiber lined, plant experiences with. 60-04636A
- with fiber linings, energy savings. 60-04610A
- intermittent, use of radiant tube in. 60-04643A
- lightweight, construction. 60-04627A
- modification of. 60-04621A
- use of fiber linings. 60-00087A
- energy waste in. 60-00648A
- flash, in Japan, refractories for. 60-01394A
- front wall for, refractory. 60-00670P
- fuel delivery system for. 60-01708P
- glassmelting. 60-03753P; 60-03754P
- EPA standards for reducing emissions from. 60-04711A
- in Murano in 1446-1447. 60-00011A
- for Pb crystal, mineralogical changes in refractories from. 60-00401A
- all-electric, design of. 60-02262A
- analysis of crystals arising at working end. 60-04663A
- apparatus for batch feeding. 60-00302P
- application of energy calculations to. 60-00104A
- with batch melting process, mathematical model. 60-00207A
- bottom protection by ceramic bonded AZS. 60-05057A
- bottoms, improvements in wear resistance. 60-03552A
- calculation of bubble paths during refining. 60-04675A
- computer model of energy performance. 60-00130A
- container, pollutant emissions from. 60-01127A
- corrosion excess O for energy conservation. 60-03460A
- corrosion of roof structure. 60-04693A
- corrosion of sidewalls and heat losses. 60-03462A
- dam for controlling Sn currents in float chamber. 60-04925P
- design in 1978. 60-00169A
- determining performance index. 60-00134A
- dist separators, filter media for. 60-04872A
- effect of construction on surface cord in containers. 60-02288A
- effect of production processes on emissions from. 60-00141A
- electric rehearth. 60-00315P
- electric, automatic control. 60-04669A
- electric, batch charging of. 60-04670A
- electric, flow of molten glass in throat. 60-04745A
- electric, mathematical model. 60-04902A
- electric, mathematical model for power supply. 60-04897A
- electric, method for eliminating dc in. 60-00341P
- electrically heated rehearth. 60-02383P
- electrode heating device for. 60-00317P
- energy conservation via computer simulation. 60-00157A
- feeders and forehearts. 60-03508A
- forehearth coloring. 60-03516A
- forehearth design and control in 1979. 60-00164A
- function of throat. 60-03525A
- gas hearth bed with grooved exit. 60-02387P
- heat recovery boiler on. 60-02359A
- heated lance roof cleaning process. 60-02398P
- high-pressure burners for. 60-04767A
- improving efficiency. 60-00184A
- insulation, new developments in. 60-03672A
- longer life using flux material. 60-02304A

- measuring response curves on models of. 60-01089A
minimizing energy costs in. 60-01099A
new method of draining. 60-00135A
paving of. 60-03635A
pitting corrosion of bottom during melting of Pb glasses. 60-04826A
pitting corrosion test for bottom of. 60-04827A
problems with carryover. 60-04832A
for production of safety glass. 60-03526A
proposed definition for thermal efficiency. 60-03646A
refractories for, Hungarian raw materials for. 60-03548A
square, with sidewall electrodes. 60-02450P
structure. 60-00332P
graphitizing, refractory concretes for. 60-02526A
heat loss, through walls, procedure for calculating. 60-05103A
hot-pressing, isostatic. 60-02900P
industrial, with insulating modules having internal grid support. 60-02899P
for limestone, lumpy to fine-grained. 60-02204P
linings. 60-00664P; 60-00668P; 60-05165P
apparatus for applying. 60-00454P; 60-00455P
fiber, method of making. 60-00462P
method of making. 60-00663P
monitoring wall temp. in. 60-01675A
metal melting, ramming mix for, containing Al powder. 60-00475P
open hearth, service of refractories in arch. 60-01401A
wet-gunning composition for. 60-01342A
partition for, thermally conductive. 60-00673P
pusher-type, monolithic refractories used to line. 60-01344A
recuperators, salvaging and restraining from collapse. 60-00372P
reheating, castable refractories for. 60-03897A
rotary, at Zlatna Panega cement complex, mineralogical changes in refractories from. 60-04042A
for fusion of minerals. 60-00671P
shaft, for burning lime, evaluation of. 60-00912A
side frames for, made of SiC. 60-03946P
tempering, oscillating horizontal, temp. control of. 60-03699A
thermal-image, for rapid quenching of glass. 60-03653A
tunnel, firing corundum plates for gate valves in. 60-00419A
used in Al industry, mullite-corundum refractories for. 60-01371A
- Gadolinium,**
Gd and Yb chromite-aluminates, solid solutions. 60-01976A
Gd³⁺, EPR in Pb germanate crystals. 60-01747A
in YPO₄, SePO₄, and LuPO₄, EPR study. 60-03064A
Gd₂(MoO₄)₃, crystals, spectroscopic study of surfaces. 60-05639A
Gd₂O₃, grain-size determinations. 60-03094A
-containing nuclear fuels, method for mfg. 60-05398P
- Gallium,**
GaAs, B-implanted Si₃N₄-capped, annealing of damage and redistribution of Cr. 60-02606A
Sn-doped, nature of defects in. 60-01930A
Zn diffusion into. 60-02724A
bulk and epitaxial, Cr concentrations, depth distributions, and diffusion coeffs. 60-02614A
crystals, incorporation of B during growth of. 60-02654A
crystals, surface morphology during etching with aqueous vapors. 60-04438A
epitaxial, growth dependence of deep levels. 60-02295A
etching, laser-induced microscopic. 60-02664A
films, epitaxial growth of. 60-00564P
oxide masking of. 60-00590P
semi-insulating, method of depositing layers of. 60-02764P
from spin-in SnO₂/SiO₂, thermal diffusion of Sn in. 60-02717A
waisted-rib optical waveguides in. 60-02720A
GaAs-Al_xGa_{1-x}As, strip-buried heterostructure lasers. 60-04015A
GaAs-GaAlAs, solar cells, fabrication. 60-01589P
GaN, crystals, second harmonic generation. 60-01969A
GaP, semiconductors, technique for growing. 60-00548P
alpha-Ga₂O₃, heat of transformation to beta-Ga₂O₃. 60-04342A
chemistry. 60-03264B
open diffusion, method for control of. 60-00563P
- Galvanometric properties.** See *Magnetic properties.*
- Garnets,**
Al-Y, effect of additions on properties. 60-00785A
Fe, magnetic anisotropy of Eu in. 60-03125A
Gd Ga, method for polishing. 60-00567P
Y Fe, crystals, growth from high-temp. solutions. 60-04017A
Y ferro-, synthesis and sintering. 60-04044A
Y₂FeO₅, crystals, optical study of spin and magnetoelectric waves. 60-04034A
Y-Al, EPR spectra of V³⁺ ions. 60-05598A
anisotropy of birefringence. 60-05557A
Y-Ho-Al, crystals, structure, spectroscopy, and radiation of. 60-04043A
YAG, Nd-doped, self-decorated dislocations in. 60-05693A
with Ti impurity, growth conditions of. 60-01904A
and YAlO₃, melting behavior and metastability, DTA analysis. 60-00510A
crystals doped with Ti impurity, colored centers in. 60-01853A
- YIG, from coprecipitated hydroxides and carbonates of Y and Fe³⁺. 60-04046A
films, method for controlling resonance frequency. 60-05324P
hot-pressing of. 60-00511A
process for producing. 60-04093P
epitaxial, simultaneous formation on plurality of substrates. 60-05349P
ferrite, domain structures in. 60-03063A
ferroaluminosilicates, of Y and Gd, solid solutions, physical properties and IR absorption spectra. 60-04393A
films, Er₂Al₂Ga₂O₁₂, crystallization from melt. 60-05585A
magnetic, treatment. 60-00607P
magnetic, compositions, technique for growing. 60-04101P
mixed, site preference of Fe, Ga, and Al in. 60-03194A
synthetic, heat capacity of. 60-03124A
- Gases.** See also *Vapors.*
S-containing, reducing Sn drip with. 60-01294P
in bubbles, in glass, chromatographic determination. 60-04699A
burnt, in glassmelting furnaces, metallic economizer for. 60-04801A
exhaust, automobile, catalytic purification. 60-04232P
automotive, design analysis of sensors for. 60-00705A
diesel, particulate traps. 60-04235P
sensor for, with porous, metal-impregnated element. 60-00542P
sensor for, with two TiO₂ elements. 60-00543P
flue, heat recovery from. 60-01312A
high pressure, properties of refractories after exposure to. 60-03902A
hot, Ca silicate regenerative sorbents for desulfurization. 60-01688A
introduction, into glass microspheres. 60-03771P
irradiation, using cells with ultrathin windows. 60-03441A
removal of S, apparatus for. 60-00661P
- Gasification,**
of coal, new process. 60-02879A
of graphite, process for. 60-00618P
- Gels.** See *Colloids.*
- Gems,**
alexandrite, synthetic crystal for. 60-01634P
emerald, crystal growth by flux method. 60-04290A
ruby, upper limits of spatial energy diffusion, determination of. 60-03056A
- Geology,**
dating, thermoluminescence. 60-01684A
- Germannates,**
Na zircono-, hydrothermal crystallization. 60-01909A
Na₂CoGeO₆, crystal structure. 60-03052A
akermanite-like, vibrational spectra. 60-04462A
rare earth, new phase H in. 60-01953A
- Germania.** See *Germanium, dioxide.*
- Germanium,**
Ge₂Se₃, films, whisker growth in, induced by Ag photodoping. 60-05738A
GeO₂, Ge-rich vitreous and neutron bombarded, Raman spectra of defects. 60-01555A
GeTe, crystals, defect structures of high-temp. modification. 60-00781A
films, on SiO₂, grain growth during laser crystallization. 60-02706A
in glasses, Na₂O-GeO₂, coordination number of. 60-04909A
joining of SiC by. 60-01761A
oxynitride, thermal decomposition and heat capacity. 60-03230A
- Glass industry,**
in Albany, N.Y., 1790 to 1800. 60-03305A
in Europe, Na carbonate production. 60-00269A
chrome-containing basic materials. 60-02252A
environmental legislation and recycling of wastes. 60-00155A
in France, occurrence and treatment of raw materials. 60-01112A
in India, energy crisis in the future. 60-00647A
International Congress on Glass meeting, report. 60-02298A
LOF's expanded plant at Laurinburg, N. Car. 60-03578A
in North America and Western Europe, raw materials market. 60-00203A
Pb frits. 60-03586A
in Poland. 60-04901A
R&D, enhanced computation for. 60-03503A
in Sardinia, availability of raw materials. 60-00982A
Society of Glass Decorators, papers presented at 17th Annual Seminar, 1980. 60-04479B
agglomeration, in environmental tool. 60-03430A
analytical methods, spectrometry, atomic absorption and emission flame. 60-04668A
annealing lehrs, downtime protection for. 60-02266A
aragonite, mineral mined from the sea. 60-04667A
asbestos elimination. 60-02242A
automation, of chemically strengthened ware. 60-02245A
complements handmade tradition. 60-00109A
basalt, application. 60-00980A
batch preheating, analysis of. 60-00976A
batches, consolidation and preheating, in the U.S. 60-01193A
batching control. 60-04751A
batching system, microcomputer-controlled. 60-03534A
bottle production, improvements in. 60-04796A
bottles, lubricants used in mfg. 60-04795A
ceramic roll drive and support mechanism. 60-01222P
- coloring, in forehearth. 60-03516A
forehearth, new developments. 60-00224A
container forming, glass-to-metal heat flow during. 60-00173A
mold surface temp. during. 60-04807A
container plant, producing its own power, energy economy and distribution. 60-04739A
with regenerative tanks, energy sources and use. 60-04740A
container production, Emhart launch computerized 10-section AIS machine. 60-03500A
electrically saves energy. 60-03497A
receiving store simulation model. 60-03538A
techniques for energy conservation. 60-03501A; 60-03502A
containers, approach for keeping competitive. 60-04766A
glass-to-metal heat flow during forming. 60-04760A
heat stability during sterilization of foods. 60-04764A
marketing of. 60-02246A
mechanical strength of. 60-04798A
plant of the future. 60-02255A
production cost control via computer. 60-02331A
strengthening, through better handling. 60-03707A
surface treatment for boosting strength. 60-02248A
ultralightweight, production. 60-03533A
understanding material substitution. 60-01192A
control systems, process, trends in. 60-03710A
controls, automatic, key to I.S. operation. 60-00107A
costs, calculation, rationalization of. 60-04871A
of materials and fuels, control of. 60-04822A
crystal grinding processes, computer control of. 60-03458A
decorating techniques, from Czechoslovakia. 60-03464A
effect of environmental regulations. 60-02276A
emissions, pollutant, from container furnaces. 60-01127A
energy conservation. 60-05433A
by change of glass composition. 60-01129A
in container production. 60-01037A
during melting. 60-01004A
minimizing costs in glassmelting tank. 60-01099A
through recycling of wastes. 60-00154A
energy consumption. 60-00153A; 60-01050A
energy survey. 60-02274A
eyeglass production, in Northern Bohemia. 60-04768A
fibers. 60-02292A
flat, processor completes re-equipment program. 60-03511A
float bath bottom refractory, in-situ repair of. 60-01251P
float plant, microprocessor control. 60-00216A
fluidized beds, for batch preheating. 60-02282A
forehearth electric heating, controlled by conductance. 60-02283A
forehearts, using energy efficiently. 60-03517A
forming, press and blow. 60-04990P
forming machines. 60-02394P; 60-02395P; 60-02396P
computer for. 60-02393P
forming processes. 60-05752B
frontiers in. 60-03524A
fuel conservation, with remodeled lehrs. 60-02287A
fuels, combustion, recent achievements. 60-03655A
enrichment, with O. 60-05464A
natural gas. 60-03615A
furnaces, controlling excess O for energy conservation. 60-03460A
corrosion of roof structure. 60-04693A
design in 1978. 60-00169A
electric, automatic control. 60-04669A
electric, batch charging of. 60-04670A
electrically heated forehearth. 60-02383P
forehearth design and control in 1979. 60-00164A
gas hearth with grooved exit. 60-02387P
heat recovery boiler on. 60-02359A
heated lance roof cleaning process. 60-02398P
improving efficiency. 60-00184A
longer life using flux material. 60-02304A
metallic economizer for burnt gases. 60-04801A
problems with carryover. 60-04832A
square, with sidewall electrodes. 60-02450P
glory holes, use and design. 60-02514A
gobs, uniform, apparatus and method for making. 60-01206P
hand-, combustion noise in. 60-03454A
heating, ir, technical advances. 60-03559A
hot articles, handling of. 60-03756P
inspection method, INEX, for round bottles. 60-04854A
lehr curtain project. 60-01079A
melting, electric, of opal glass. 60-03625A
mfg. apparatus, pollution abating, energy conserving. 60-02435P
mfg. processes, digital control of. 60-03475A
pollution abating, energy conserving. 60-02436P
using batch pellets. 60-01241P
mixing, fluidized, saves wear and tear. 60-03512A
molds, method for developing release surface on. 60-04959P
molten variables, process for controlling. 60-04991P
mugs, new machine solves decorating problem. 60-02317A
museums, at Corning, tunnel through time. 60-04500A
packaging, competition in. 60-02301A
particulates, method for modifying to reduce dust. 60-02413P
plants, EPA issues final regulations for. 60-04711A
pollution abating process. 60-00318P
process, for assembly of shaped leaves. 60-02439P
processing, for TV. 60-03536A
in space. 60-04834A
production technology. 60-02036B

- raw materials, availability, handling, and application. 60-04759A
- and batch compositions. 60-03537A
- mineralogical applications. 60-01097A
- nepheline syenite. 60-00223A
- soda ash, U.S., projection for world markets. 60-00248A
- world outlook. 60-00234A
- recycling, in Southern France. 60-03539A
- cullet utilization technology. 60-01003A
- and quality control, at Vetropack Ag, Switzerland. 60-00198A
- refractories, profile of a supplier. 60-03888A
- for sheet production. 60-04846A
- trends in use. 60-04844A
- results for 1979. 60-02297A
- safety, dust-free sources for Pb. 60-04790A
- factors affecting electric melting. 60-03663A
- sands, chemical-mineralogical appraisal. 60-00987A
- deposits, in West Africa. 60-01055A
- sawing, to very fine limits. 60-03664A
- screen printing. 60-03666A
- sheets, alignment. 60-04910P
- handling and processing. 60-03544A
- method for reducing roll marking. 60-03776P
- method of melting using nitrates to suppress S emissions. 60-04975P
- trends in mfg. 60-02351A
- vertical drawing process. 60-02318A
- shipping, air bags reduce damage. 60-02239A
- update on freight car supply. 60-02353A
- slags, calumite, use of. 60-00115A
- soda ash, market trends. 60-03668A
- sol-gel technology, applications for. 60-04862A
- tempering control, paint-on. 60-02326A
- trademarks. 60-03535A
- use of pegmatite. 60-05482A
- use of robots, at Ford fabricating plant. 60-03515A
- use of ultrasonics. 60-03436A
- wastes, municipal, recycling. 60-03555A
- recycling, new developments. 60-03620A
- windows, stained, mfg. 60-03504A
- world's largest flat products firm. 60-02360A
- Glass-ceramics.**
- Al₂O₃-SiO₂-Li₂O, thermal expansion, dependence on degree of crystallization. 60-01010A
- Li Al silicate, F-containing, mechanism for strengthening. 60-00213A
- Li silicate, leaching by HCl. 60-01078A
- Li-Al-Si, analysis, ir reflection spectra. 60-03571A
- Macor, biocompatibility. 60-05020A
- Mg Al silicate, fabrication of rotary heat exchangers from. 60-01231P
- Mn cordierite, method of making. 60-00354P
- Na⁺-conducting. 60-00358P
- SiO₂-Al₂O₃-Li₂O, effect of nucleators and devitrification conditions. 60-04859A
- Zerodur, for reflective optics. 60-03721A
- alpha-quartz, spontaneously formed. 60-02447P
- basalt, magnetic properties. 60-01085A
- beta-spodumene, kinetics of dissolution and crystallization. 60-03575A
- biaxial fracture, studies of. 60-00983A
- for capacitors, thermally stable. 60-01591P
- carbon, radiation-induced changes in crystal-structure parameters. 60-04839A
- cast, containing bulgarite. 60-00116A
- coatings, optimization of properties based on effect of RO-type oxides. 60-03631A
- protective, crystallization in electrostatic field. 60-04747A
- commercial, fracture strength and mirror size. 60-02284A
- containing transition metal oxides, electronic conduction of. 60-00151A
- cordierite, sintered, mineralogy and properties. 60-02312A
- cordierite-based, thermal expansion behavior. 60-04894A
- from crystallization of glasses, of system Na₂O-CaO-Al₂O₃-SiO₂. 60-01001A
- encapsulation in. 60-02384P
- fibers, aluminosilicate. 60-03868A
- glaze⁺, interface reactions, electron microprobe analysis. 60-01032A
- low-expansion, SiO₂-based, uv properties. 60-02277A
- machinable, fracture toughness, verification of double-torsion equation. 60-03715A
- spontaneously formed. 60-02448P
- method for masking. 60-03772P
- mineralogy. 60-02313A
- multilayered, spontaneously formed. 60-02449P
- multilayered, with internal Cu-based conductors. 60-01817P
- nucleation, effect of electric fields. 60-03566A
- oxynitride. 60-00238A
- preparation. 60-00366P
- photosensitive, from aluminosilicate glass, structure and properties. 60-02280A
- plates, colored streaks and blisters, formation on surface. 60-00990A
- properties, effect of crystallization routes. 60-01024A
- pyroelectric. 60-02333A
- Ba₂TiGe₂O₇ and Ba₂TiSi₂O₇. 60-03438A
- from rocks, from Armenian SSR, production. 60-01137A
- rutile phase, modification by addition of variable-valence elements. 60-00217A
- for sealing, to Al alloys. 60-00174A
- spinel-pyroxene. 60-03674A
- strength, effect of machining damage. 60-04719A
- structure and properties. 60-03685A; 60-03686A
- substrate, multilayered, for mounting semiconducting device. 60-00587P
- surfaces, coating of. 60-04922P
- systems, Al₂O₃-ZrO₂-SiO₂-Na₂O. 60-01172A
- BaO-TiO₂-SiO₂-Al₂O₃, dielectric properties. 60-01013A
- morphology and stability of glass phase. 60-03612A
- translucent, strengthened, method of making. 60-00379P
- Glass.** See also *Art and warfare; Furnaces; Glass-ceramics; Glass industry; Glassmaking equipment.*
- Ag₂S-As₂S₃-AgI, ionic conduction in. 60-03569A
- Ag-containing, coloration and optical anisotropy. 60-00989A
- Anglo-Saxon, 7th century, pontil marks and empontiling. 60-0329A
- As₂Ge₂Te₂Ag₂, electrical and dielectric properties. 60-00144A
- 0.5As₂S₃-0.5GeS₂, bulk and impurity ir absorption in. 60-00113A
- As₂S₃, electronic structure. 60-03432A
- As₂Se₃, doped, relation between temp. and glass-ceraming rate. 60-04850A
- As-Se, electrical transport studies. 60-03496A
- As-containing, symmetry and characteristics of As site. 60-03591A
- B₂O₃, high viscosity coating for Space Shuttle. 60-02945A
- pellets, mfg. 60-02391P
- relations between density, refractive index, and structure at low and high pressure. 60-01150A
- structural model for. 60-03682A
- structure, molecular dynamic calculation. 60-04808A
- with B₂O₃ and ZnO added, for increased heat resistance. 60-01233P
- B₂O₃-PbO-Fe₂O₃, effect of equilibration time on physical properties. 60-01061A
- B₂O₃-PbO-GeO₂, Fe valence states. 60-04784A
- B₂O₃-SiO₂, heat-treated, Raman spectroscopy. 60-04840A
- B-containing, use for chemical analysis. 60-04673A
- Ba phosphate, thermochemical characteristics, effect of F on. 60-03487A
- BaO-B₂O₃, liquid-liquid immiscibility in. 60-03590A
- Be fluoride, ionic transport and defect structure. 60-01072A
- Be-Sb-Se, density and microhardness. 60-03468A
- BeF₂, rare-earth-doped, structure and optical properties, theoretical study. 60-00288A
- by Boston & Sandwich. 60-02065A
- Ca Al borosilicate, ferrous Fe in, spectral study at room and melt temp. 60-00271A
- Ca borate, method for making. 60-04962P
- method for producing. 60-01264P
- Ca metasilicate, fibrous, crystallization and anisotropy. 60-02256A
- Ca-Na silicate, effect of glass phase on diffusion of liquids and gases. 60-03490A
- CaO-Al₂O₃-SiO₂, structural state of Fe. 60-02340A
- CaO-SiO₂, preparation by gel method. 60-00245A
- two-phase region. 60-04903A
- Cd, with low Cd oxide solubility. 60-01219P
- Cd silicate and phosphate, EPR study. 60-00137A
- Corning 7059, iron etched, topography of. 60-03706A
- Cu borate, specific heat capacities. 60-03673A
- from Cu cross. 60-04908A
- Cu ruby, role of Sn in. 60-03527A
- Cu₂O-Cu equilibrium, thermodynamics, relation to Cu ruby formation. 60-04896A
- Cu⁺ in, diffusion and oxidation. 60-01015A
- E-, fiber industry, unnecessarily restrictive technology. 60-03478A
- E-glass fabric, effect of organic acids on. 60-04720A
- F content, determination by X-ray fluorescence spectrometry. 60-03652A
- F-containing, phase-separated, distribution of Ni ions in. 60-01017A
- Fe aluminosilicate, effect of composition on crystallization. 60-04716A
- Fe₂O₃-CaO-SiO₂, Debye temp. and electrical conduction. 60-03463A
- 20Fe₂O₃·80[3B₂O₃·(1-x)PbO·GeO₂], physical properties. 60-02328A
- Fe-Na disilicate, kinetics of reactions and wetting. 60-04788A
- Ge₂Se₆, diffusion of Fe-59 in. 60-03474A
- Ge-As-Se-Te, potential as ir optical materials. 60-03640A
- Ge-Sb-Se, electrical properties. 60-00146A
- Ge-Se, chalcogen-rich, EPR study of Mn²⁺. 60-01018A
- Ge-Si quartz, for optical waveguides. 60-04750A
- GeO₂, particles, used for optical fibers, structural properties. 60-03683A
- reduced, effect of OH on uv optical absorption. 60-01021A
- Greentown, Indiana Tumbler and Goblet Co., 1894-1903. 60-03278B
- International Congress on Glass meeting, report. 60-02298A
- K borate, fraction of nonbridging O, Moessbauer study. 60-01104A
- K silicate, As in, Raman study. 60-00257A
- As-containing, Raman study. 60-04841A
- K water, setting of acid-resisting compositions based on. 60-02329A
- K-Al phosphate, Ti-containing, neutron diffraction study of structure. 60-03619A
- K-Ba silicate, electron-irradiated, optical and paramagnetic absorption in. 60-04816A
- KPO₃-Fe₂O₃, ⁵⁷Co gamma-ray irradiated KPO₃-Fe₂O₃ glasses. 60-03481A
- Li, with high ionic conductivity. 60-04811A
- Li aluminoborate, electrode properties. 60-03498A
- Li aluminophosphate, effect of composition on spectral properties of Cu in. 60-00139A
- Li aluminosilicate, chemically-strengthenable. 60-02451P
- paramagnetic resonance of Sn in. 60-03633A
- Li borate, NMR study. 60-00222A
- four-coordinated B atoms, fraction of. 60-03654A
- mixed isotope effect in. 60-03610A
- Li disilicate, crystal nucleation, kinetics. 60-03574A
- Li niobate-SiO₂, Li⁺ conductivity in. 60-01080A
- Li silicate, diffusion of Li ions in. 60-04707A
- leaching by HCl. 60-01078A
- sesquioxide-containing, interaction with melts of Na and Ag nitrates. 60-04778A
- Li₂O-Al₂O₃, Li₂O-Ga₂O₃, and Li₂O-Bi₂O₃, rapidly quenched, Li ion conduction in. 60-02303A
- Li₂O-Al₂O₃-SiO₂, crystallized, grain size and internal strain in. 60-01059A
- Li₂O-SiO₂, bulk crystallization, SEM study. 60-04855A
- crystallization kinetics, X-ray scattering study. 60-04696A
- role of amorphous phase separation in crystal nucleation. 60-03660A
- Li₂O-(Nd₂O₃)_x-(La₂O₃)_y-P₂O₅, phosphate radical ions PO₄²⁻ and PO₃²⁻ in. 60-03636A
- Li⁺, high-conducting, dc conductivity and secondary relaxation. 60-01007A
- Li, Na, and K germanate, structure of, Raman scattering study. 60-01173A
- Li-La_{1-x}Nd_xCr₂, coactivated with Cr, measurement of Nd luminescence in. 60-03601A
- LiF-Li₂O-AlPO₄, transport number for Li ions in. 60-01190A
- LiNbO₃, roller quenched, crystallization kinetics, measured by Cr³⁺ luminescence. 60-04697A
- LiPO₃-LiX (X=I, Br, Cl), ionic conductivity in. 60-01071A
- M₂O-2SiO₂ (M=Li, Na, K), kinetics of crystal growth. 60-01075A
- MgO-Al₂O₃-SiO₂, TiO₂ substituted, effect of heat treatment on leaching. 60-01027A
- with Mn₂O₃ added, to ensure chemical resistance. 60-01235P
- Mn-containing, for production of floor tiles. 60-03843A
- Murano and Venetian, raw materials for. 60-00018A
- 0.13(Na⁺+K⁺)/0.87SiO₂, transport number and mobility of Na and K ions. 60-04900A
- Na Ti silicate, coordination of Ti in. 60-00996A
- Na aluminosilicate, distribution and interdiffusion between ions in surface layers. 60-00992A
- Na borate, shape of Cr(VI) absorption band. 60-04791A
- Na borosilicate, molecular dynamic calculations of structure. 60-02316A
- near ir absorption of Fe(II) in. 60-03617A
- phase-separated, electrical properties. 60-04735A
- Na disilicate, containing Fe oxides, ir study of crystallization. 60-01065A
- containing PuO₂, magnetic susceptibility. 60-01086A
- Na fluorophosphate, structure and spectral-luminescence. 60-04881A
- Na germanate, thermally stimulated polarization currents in. 60-02346A
- Na ion-conducting, electrolyte, for Na-S batteries. 60-01631P
- Na phosphate-borate, fast ionic conduction in. 60-01043A
- Na silicate, Na-H interdiffusion in. 60-01160A
- bridging-to-nonbridging O ratio, effect on density and refractive index. 60-01019A
- containing Al₂O₃ and ZrO₂, chemical durability. 60-03446A
- enthalpy. 60-01038A
- phase-separated, Na motion in. 60-03669A
- pure, excitation of luminescence. 60-00159A
- shape of Cr(VI) absorption band. 60-04791A
- state of Cr ion under various O pressures. 60-01165A
- thermally stimulated currents in. 60-02345A
- Na water, deposition in defects of concretes. 60-02096A
- Na₂O aluminosilicate, spectroscopic study of. 60-01202A
- Na₂O and K₂O in, determination using ion-selective electrodes. 60-04700A
- Na₂O-2B₂O₃-As₂O₃, bonding of V(VI) in. 60-00112A
- Na₂O-2CaO-3SiO₂, crystal growth in. 60-00125A
- Na₂O-2SiO₂, study of surface crystallization based on ir spectra. 60-02341A
- Na₂O-2SiO₂, PbO-2B₂O₃, and CaO-P₂O₅, effect of water content on viscosity. 60-04725A
- Na₂O-3SiO₂, with high water content, electrical conductivity. 60-00145A
- 2Na₂O-CaO-3SiO₂, crystal nucleation rate. 60-00274A
- crystals in, stationary and nonstationary nucleation rates. 60-01166A
- Na₂O-Ag₂O-B₂O₃, XRD study. 60-00300A
- Na₂O-Al₂O₃-SiO₂ and Na₂O-BaO-Al₂O₃-SiO₂, nucleation and crystallization. 60-00229A
- Na₂O-B₂O₃-SiO₂, effects of MoO₃ on phase separation. 60-03491A
- Na₂O-CaO, Ag⁺ and Cu⁺ ions diffusing into, optical and EPR studies on redox interaction layers. 60-04815A
- determination of K₁/V diagram. 60-00132A

- effect of SiO_2 purity on phase separation. 60-04824A
equipment for fatigue testing. 60-03645A
ion exchange with univalent cations. 60-03567A
melting-finishing of, redox phenomena. 60-00244A
recycled, and mica powders, fabrication of cellular
composites from. 60-00160A
shear deformation, under pyramidal indentations.
60-00266A
use of natural and synthetic soda ash in. 60-01196A
 Na_2O - CaO - SiO_2 , N-containing, preparation. 60-00247A
effect of hydroxyl ion content on mechanical properties.
60-00140A
effect of melting amt on phase separation. 60-04823A
fatigue in. 60-02279A
 Na_2O - GeO_2 , XRD analysis and coordination number of Ge.
60-04909A
 Na_2O - SiO_2 , effect of F on phase separation. 60-01025A
preparation by sol-gel process. 60-01134A
 Na_2O - SiO_2 - Al_2O_3 and K_2O - SiO_2 - Al_2O_3 , Raman spectra of.
60-03650A
 Na_2O - TiO_2 - SiO_2 and K_2O - TiO_2 - SiO_2 , Si-O bonding in,
fluorescence and spectroscopic study. 60-01155A
 Na^+ -conducting. 60-00358P
 Na -resistant, cell, made by coating with CaF_2 . 60-03670A
 Nb silicate, double-alkali, properties. 60-01139A
 Nd^{3+} , spectral properties. 60-04869A
 Ni , compacts, strength and fracture toughness. 60-00275A
 Np fluorozirconate, Moessbauer studies. 60-03611A
 ^{14}O -labeled, preparation. 60-01133A
 P -Se, heat capacity. 60-04762A
 Pb , articles, apparatus for producing. 60-04915P
corrosion of AZS and fireclay refractories in contact
with. 60-03880A
electronic structure. 60-01036A
model, electronic structure. 60-03499A
pitting corrosion of furnace bottom during melting.
60-04826A
reduced, range hopping conductivity in. 60-02357A
synthetic grinding tools for polishing. 60-04890A
 Pb bismuthate. 60-03585A
 Pb borate, Fe cations in, Moessbauer study. 60-04806A
viscosity and thermal expansion in transition region.
60-04905A
 Pb crystal, mineralogical changes in refractories from
furnaces used for. 60-00401A
 Pb silicate, Bi-contaminated, surface conductivity of.
60-01177A
EPR of $\text{V}(\text{IV})$ in. 60-03479A
electrical conductivity and dielectric behavior.
60-04732A
reduced, ir spectroscopy. 60-04783A
silicate anion substitution of. 60-03667A
subjected to thermal-H reduction, transmission of.
60-02349A
thermal expansion of. 60-03702A
 Pb -free, with high X-ray absorption, for cathode tubes.
60-04949P
 PbO - MgO - GeO_2 , suitability for making low TCR glazed
resistors. 60-04885A
 PbO - SiO_2 , kinetics of solid-phase reactions. 60-04789A
sputtered by Ar ion, secondary ion characteristics.
60-01153A
Plinian, mfg. 60-04506A
Pool coeff. in, factors affecting value. 60-00161A
with Pr_2O_3 , La_2O_3 , Fe_2O_3 , and CaO added, for increased
heat resistance. 60-01236P
Pyrex, cation-exchange and interdiffusion in. 60-00985A
containing Na_2CO_3 and NaNO_3 , batch reactions.
60-05054A
 $\text{R}_2\text{O}(\text{Na}_2\text{O}, \text{K}_2\text{O})\text{-Al}_2\text{O}_3\text{-SiO}_2$, structure and properties.
60-04879A
Roman, found in Norway, classification. 60-00894A
 Sb_2O_3 , structure of, XRD study. 60-03719A
 SbSBr , ir reflectivity spectra. 60-03560A
Se-Ge, absorption in, extreme far ir. 60-03505A
Si-Te and Ge-Te, short-range-order structure, Moessbauer
and spectroscopic study. 60-01102A
Si-rich, internal friction during transition to viscous-
flow state. 60-00191A
 SiO_2 , N_2O - CaO - SiO_2 , and Pb-SiO_2 , comparison of acoustic
and thermal Gruenisen parameters. 60-02254A
adherence of metal to, ESCA study. 60-03480A
determining structural parameters of. 60-04702A
effect of alkaline earth ion as inhibitor to alkaline
attack. 60-01022A
fibers, observation of fluorescence in. 60-03623A
fused, fracture toughness at high temps. 60-03522A
high-, effect of surface energy on mechanical strength.
60-04722A
high-, ion-exchange method for fabricating. 60-03568A
preparation by sol-gel process. 60-01134A
spectral emittance at high temp. 60-00270A
structure at high temp. 60-04883A
 SiO_2 in, rapid determination. 60-04842A
92% SiO_2 -8% Al_2O_3 , heat-treated, devitrified phases in.
60-03471A
 $\text{SiO}_2\text{-P}_2\text{O}_5$, fusion temps. of. 60-03528A
 SiO_2 -based, low-expansion, uv properties. 60-02277A
 SiO_2 -rich, Cu ruby-type, nature of coloring of. 60-03615A
in system $\text{TiO}_2\text{-Al}_2\text{O}_3\text{-SiO}_2$. 60-01158A
Sn diffusion in, kinetics. 60-00196A
Sn- and Ti-containing, effect of heat treatment on
properties. 60-04723A
Tb metaphosphate, luminescence under X-ray excitation.
60-03595A
 $\text{TeO}_2\text{-PbO:Mn}^{2+}$, hyperfine splitting of $g=4.3$ line.
60-03550A
Ti, effect of BaO/SrO ratio on crystallization. 60-01020A
Ti-Nd, spectral absorption properties. 60-04868A
 $\text{TiO}_2\text{-SiO}_2$, coordination of Ti in, by absorption
spectroscopy. 60-00995A
formation by polymerization. 60-00166A
prepared from metal alkoxides. 60-01188A
 $\text{TiO}_2\text{-Ti}_2\text{O}_3\text{-P}_2\text{O}_5$, structure and electrical properties.
60-04878A
 $\text{TiO}_2\text{-SiO}_2$, effects of preparation history on. 60-04727A
Ti borate, ESR of Cu^{2+} and Ti^{3+} and Ti borate glasses.
60-02267A
 $\text{V}_2\text{O}_5\text{-BaO-K}_2\text{O-ZnO}$, electronic conduction and structure.
60-04738A
 $\text{V}_2\text{O}_5\text{-PbO-GeO}_2$, electrical properties. 60-03494A
Vycor, Fe-doped. 60-04744A
Vycor-type, in phosphate-silicate systems. 60-00214A;
60-00215A
 WO_3 , semiconducting, conductivity and optical absorption
of. 60-00993A
Weibull distribution, adding static and dynamic fatigue
effects to—correction. 60-00098A
"Wyandotte" pattern, by Ripley & Co. of Pittsburg.
60-02064A
Young's modulus, effects of ion exchange on. 60-01029A
Zn-containing, chemical stability during crystallization.
60-04868A
 ZrF_4 and HfF_4 -based, ir edge absorption, composition
dependence. 60-03456A
surface and bulk —OH ir absorption in. 60-02342A
 ZrF_4 -based, electrical transport properties. 60-00148A
Zwischengoldglas, examination and analysis. 60-03309A
abraded, dynamic fatigue, residual stresses in. 60-01152A
absorber on, selective, method of making. 60-00374P
additives for, garnet, blue, and rose colors. 60-04931P
air bubble formation in, decorative. 60-03738P
alkali CaO borogermanate, refractive index and density.
60-03657A
alkali aluminoborosilicate, B coordination, statistical
mechanical model of. 60-01168A
equilibrium and kinetics of ion exchange with fused
alkali nitrates. 60-00156A
alkali borate, containing Nd, optical absorption. 60-01113A
fraction of B tetrahedrally bonded in, statistical
analysis. 60-04873A
heats of immersion in organic bases. 60-04765A
high-, irradiated, visible spectroscopy. 60-02358A
oxidation-reduction equilibrium of Cr oxides in.
60-04820A
states of S in—correction. 60-03676A
alkali fluorophosphate, soldering of Al alloys with.
60-03671A
alkali germanate, structure and crystallization,
spectroscopic study. 60-00255A
alkali ion exchange with molten salt, radiometric
determination of equilibrium constant. 60-04698A
alkali silicate, F-containing, ir absorption spectra
and structure. 60-01063A
depolarization peaks in. 60-02305A
ion interactions and relaxation transitions. 60-01070A
leaching of, and coordination of cations. 60-03584A
mixed, structural peculiarities. 60-01174A
relaxation transitions in. 60-00265A
surface tension and elastic modulus. 60-00285A
alkali-free Ti-rich, changes in structure and properties
during heat treatment. 60-04679A
alkali-free borate, F-containing, properties and structure.
60-00249A
temp. dependence of equilibrium viscosity. 60-04892A
alkali-free fluorogermanate, ir spectroscopy of. 60-04782A
alkali-free fluorosilicate, containing TiO_2 , properties of.
60-04836A
alkali-free silicate, for electronic devices, synthesis
of. 60-04889A
alkali-resistant, articles, method of making. 60-04911P
containing ZrO_2 , effect of minute components on melting.
60-00186A
aluminoborosilicate, properties of. 60-04866A
aluminofluorophosphate, with fluorides of Group II and III
elements, structure and properties. 60-03684A
aluminophosphate, containing Cu and Cd additives, EPR
study. 60-04712A
aluminosilicate, Ca, corrosion by H_3PO_4 . 60-00114A
alkaline earth, optical and EPR absorptions of Fe in.
60-00232A
containing Y_2O_3 , La_2O_3 , and TiO_2 , alkaline durability.
60-00100A
fibers, structure during heating. 60-04882A
increasing mechanical strength by etching. 60-03553A
for polyelectrolyte cements. 60-02240A
structure and properties of photosensitive glass-ceramics
made from. 60-02280A
water-containing, molar volumes and refractive indexes.
60-01105A
amber, volumetric determination of S in. 60-01198A
amorphous, neutron diffraction study. 60-01106A
analysis, elemental, application of STEM. 60-00979A
anisotropic, method for making panels of. 60-01262P;
60-04960P
annealing of, nonlinear. 60-02320A
anorthite, crystallization, DTA study. 60-02258A
anorthite-wollastonite-tridymite, crystallization of,
effect of Na_2O , ZnO , and MnO . 60-03482A
"antique", colored, mfg. 60-03453A
articles, with abrasion resistant label-receptive coating.
60-04937P
with antireflective coatings, process of making. 60-04995P
bath for strengthening by ion-exchange. 60-04919P
encapsulated, press-forming. 60-03802P
masking of abrasion injury on. 60-04951P
method of making. 60-04972P
method of strengthening. 60-01277P
polished, method of preventing tarnishing. 60-04976P
strengthened by ion-exchange substitution. 60-04938P
athermal, chemically stable. 60-03447A
production by dispersion. 60-01136A
aventurine. 60-01217P; 60-01218P
Cr. 60-03952A
basalt, magnetic properties. 60-01085A
based on $6\text{CaO}\cdot 2\text{Al}_2\text{O}_3\cdot 15\text{SiO}_2$ with addition of SiO_2 .
60-03457A
batch carryover, isokinetic sampling. 60-04785A
batch material, feldspar-containing sand as. 60-01044A
batch pelletizing, and pollution capture studies.
60-02290A
batch preheating, analysis of. 60-00976A
batches, consolidation and preheating. 60-01193A
heating. 60-02399P
rapid strength development in compacting. 60-01292P
reactivities of slags and rocks with. 60-01148A
batching, control of. 60-04751A
beads, cellulated, process for making. 60-01290P
binary, calculation of physicochemical properties.
60-04676A
evaporation from by high-temp. mass spectrometry.
60-00158A
blocks, bushing. 60-03731P
blood capillary electrodes, for medical electronics,
development of. 60-04703A
body, formation of. 60-05752B
method of Cu staining. 60-02421P
step-type light-transmitting, with excellent water
resistance. 60-03811P
borate, Au in, solubility, oxidation state, and optical
absorption. 60-04863A
binary, melt-crystal interface temp. during crystalli-
zation, measurement. 60-03598A
containing Ba^{2+} , Pb^{2+} , Bi^{3+} , and La^{3+} , elastooptical
properties. 60-03492A
containing transition metal oxides, optical and ESR study.
60-02322A
and germanate, dielectric properties. 60-04705A
ir reflection spectra and optical constants. 60-04794A
ir spectra, and structure interpretation. 60-00194A
and silicate, effect of composition on relaxation of Er
ions. 60-01026A
sintered electret, charge for. 60-04921P
structure, ^{69}Br NMR study. 60-00110A
thermodynamics of oxidation-reduction of V in.
60-00290A
boronlanthanate, surface disintegration of. 60-03694A
borophosphate, containing R_2O and V_2O_5 [$\text{R} = \text{Li}, \text{Na}$],
physical and electrical properties. 60-00103A
borosilicate, antireflection films on, weathering of.
60-00298A
composite articles, method of making. 60-02423P
effect of phase separation on crack growth. 60-00143A
effect of radiation on physical properties. 60-02271A
foaming by chemical reactions. 60-00163A
liquid immiscibility in. 60-01082A
microstructurally anisotropic, dielectric loss of.
60-03472A
for sealed beam lamp. 60-02443P
bottle, light protective. 60-02406P
bottles, INEX inspection method for. 60-04854A
method for forming. 60-04869P
bubbles, change of gas composition in. 60-00118A
chromatographic determination of gases in. 60-04699A
decorative, method for forming. 60-02377P
bulbs, production. 60-03530A
bulk, with improved properties. 60-04920P
cellular, formation with carbonates and mica powders.
60-03520A
cellular-structure, formed with phlogopite-type mica
powders and carbonate compounds. 60-03442A
-cement, composite materials. 60-02029B
chalcofenide, O-free, effect of cooling rate on optical
constants. 60-03558A
containing divalent Eu in system $\text{EuS-Ga}_2\text{S}_3\text{-GeS}_2$.
60-00117A
defects in. 60-03465A; 60-03466A
interchangeability of atoms. 60-00189A
as ir transparent materials. 60-03443A
localized states in forbidden zone, temp. dependence of
width. 60-03700A
stress optical coeffs. 60-03681A
structure simulation of. 60-03690A
viscosity, measurement by parallel plate technique.
60-03600A
characterization, electron microscopic. 60-00120A
chemically strengthened, automated production. 60-02245A
properties. 60-04837A
chemistry of. 60-03265B

- chloroborate, fast Li⁺ conduction in. 60-01041A
 enamel on, vitreous. 60-03716A
 enamels, corrosion. 60-03418A
 encapsulation, of semiconductors. 60-03515P
 encapsulation in. 60-02384P
 energy gaps, reason for. 60-03717A
 engineering. 60-03532A
 engraved, Russian, of 18th century. 60-03330A
 envelopes, sealing. 60-01296P
 erosion, hot. 60-00180A
 expansion, thermal, at low temps. 60-03703A
 thermal, relation to softening point and Poisson coeff. 60-04851A
 exposed to light pulses, surface breakdown of. 60-04773A
 failure, catastrophic, effects of liquids on crack growth. 60-00136A; 60-03477A
 fatigue, effect of crack tip radii on. 60-00183A
 static, modification of Hillig-Charles theory. 60-01101A
 fibers, analysis of surface finish. 60-04666A
 apparatus for drawing. 60-01211P
 asphalt-coated. 60-02369P; 60-02370P; 60-02371P
 coating composition for. 60-02389P; 60-03733P
 composite materials reinforced with, production and properties. 60-05516A
 cuttings, treatment of. 60-01306P
 dependence of elastic moduli on thermal history. 60-03469A
 emulsion composition for treating. 60-01230P
 filter media, assembly for. 60-04927P
 formation. 60-03750P
 gypsum board reinforced with, method of making. 60-03404P
 history of development. 60-02263A
 inorganic synthetic, structure. 60-00282A
 kinky, method for forming and treating. 60-04953P
 lightweight web. 60-01830P
 low cost cutter for. 60-03593A
 mat. 60-04979P
 mat, with improved binder. 60-03751P
 method for making. 60-00344P; 60-04958P
 method of dispersing for mats. 60-03778P
 mfg., using refractory bushing. 60-01232P
 mica-filled sheet, method of making. 60-02422P
 nonwoven product, method for making. 60-00321P
 optical. 60-04942P; 60-04982P
 optical, end preparation. 60-03628A
 optical, mfg. and of tensile strength. 60-03678A
 optical, statistics of. 60-03678A
 partition of H in MCDV process. 60-03634A
 plastics reinforced with. 60-03506A
 polyolefin size for. 60-03812P
 and preforms, axial refractive index depression in. 60-03437A
 process for forming connection between. 60-00367P
 process for making multilayered sheets. 60-03803P
 with reduced gumming deposits. 60-03752P
 with reduced gumming deposits, method of making. 60-01274P
 refractory, production from natural raw materials. 60-01387A
 sewing thread, composition for treating. 60-04924P
 size composition and process. 60-01240P
 size composition for. 60-01299P
 size for, with reduced gumming. 60-00376P
 sizing composition to improve uv stability. 60-05000P
 from solvent solution, method for making. 60-04993P
 stabilization of feed in fiberization by toration. 60-03810P
 triple gob blowhead or baffle construction. 60-03818P
 films, method and apparatus for making. 60-03765P
 mirror. 60-01242P
 fire resistant, specifications. 60-03531A
 flat, annealed and tempered, impact damage on. 60-00182A
 and container, decorating developments. 60-02259A
 decoration of. 60-03510A
 drawn, colored by plating. 60-04710A
 schedule for annealing. 60-02325A
 trends in mfg. 60-02351A
 use for mfg. curved illumination and technical products. 60-02355A
 flaw tips, microscopic, segregation at. 60-04856A
 float, Sn in bottom surface, characterization by ellipsometry and XPS. 60-00121A
 fracture toughness at high temps. 60-03522A
 penetration of Sn in bottom surface. 60-00239A
 production. 60-02281A
 weathered low-Fe, surface characterization. 60-00284A
 flotation of inorganic materials from, using hydrocarbon sulfonates. 60-04928P
 flotation separation, from inorganic mixture. 60-02386P
 fluoride, formed from transition elements. 60-03621A
 ir transmitting, in system LnF₃-BaF₂-ZnF₂. 60-01066A
 in system ZrF₄-BaF₂-YF₃-AlF₃. 60-01047A
 fluorophosphate, Cl- and Br-containing, optical and thermo-optical properties. 60-04817A
 -fly ash, from new hot gas clean-up process. 60-03540A
 foam. 60-04945P
 effect of adding water glass to charge during production. 60-04724A
 granulated, for cellular plastics, selection of batch composition. 60-01154A
 in system shirasu-glass-partially dehydrated water glass, study. 60-04886A
 thermo-, phono-, and hydro-insulating. 60-04746A
 forehead coloring, new developments in. 60-00224A
 forest, 16th and 17th centuries, relation between composition, color, and melting int. ESR study. 60-04504A
 formation. 60-01111A
 through hydrolysis of Si(OC₂H₅)₄ with NH₄OH and HCl solution. 60-00168A
 in system As-S-Ag. 60-04756A
 in system As-Te. 60-04757A
 -forming, Se-Te alloys, structure. 60-03687A
 centrifugal, modeling studies. 60-04861A
 matrix, exciton absorption by CuCl crystals in. 60-04742A
 molds, method of treating. 60-03787P
 press and blow. 60-04990P
 processes, heat transfer through glass and mold during. 60-03545A; 60-03546A
 systems, induced crystallization of. 60-04771A
 fracture, effect of crack tip radii on. 60-00183A
 fracture resistance. 60-00212A
 freedom and anelasticity, internal degrees of. 60-04775A
 fretting of. 60-02286A
 gels, SiO₂-TiO₂, method for conforming. 60-04968P
 inorganic, products made from. 60-02403P
 germanate, ion-exchange reactions with molten alkali nitrates. 60-04779A
 -to-glass joints, method for calculating stresses in. 60-01094A
 glazing panels, apparatus for making. 60-04913P
 green. 60-01245P
 ground, laser light transmitted by, application of Beckmann's theory to. 60-03691A
 halophosphate, cuprous Cu and Ag. 60-00310P
 heat-reflecting. 60-01246P
 high-grade and container, detection of flaws in. 60-05751B
 high-refractive, synthesis by coprecipitation. 60-03696A
 homogeneity of, Shelyubskii method of measuring. 60-04831A
 hot, method of coating surfaces contacting. 60-04966P
 hydrated, as catalysts for cyclodimerization of butadiene-1,3. 60-03549A
 immobile, conversion of radioactive ferrocyanide compounds to. 60-04121P
 inclusions, NIS, microcracking induced by a volumetric expanding phase change. 60-02319A
 inclusions in, NIS, fracture mechanics of microcracking about. 60-00167A
 with increased softening temp., made by adding MgO. 60-04934P
 with increased thermal conductivity. 60-01238P
 with increased thermal expansion, and decreased crystallization at soldering temp. 60-04935P
 with increased thermal expansion coeff. 60-01243P
 with increased uv light transmission, made by adding SiO₂, Cd₂O, and Na₂SiF₆. 60-04936P
 with increased whiteness. 60-05247P; 60-05248P
 industrial, surface weakening of, shock- and friction-induced. 60-04858A
 inhomogeneities, methods for determining. 60-04803A
 inner term, calculation from surface temp. 60-04802A
 inorganic, correlation between mechanical and thermal properties. 60-04692A
 diffraction study of structure. 60-01100A
 expansion coeff. and Poisson's ratio, abrupt change in. 60-00974A
 internal stress and properties of. 60-04776A
 metallic, semiconducting, diffraction analysis. 60-01014A
 problems, application of mechanical spectrometry to. 60-00105A
 relaxation mechanisms in, high temp. 60-00178A
 after ion exchange, deformation properties of surface. 60-00119A
 ion-exchanged, crack-growth and fracture model for. 60-02314A
 ion-exchanging, singly and doubly, residual stress in. 60-01151A
 ion-implanted Li₂O-2SiO₂ and SiO₂, crystallization of. 60-01002A
 ionicity and coordination. 60-03570A
 ions in, alkaline, interdiffusion coeffs., temp. dependence of. 60-01183A
 redox, properties. 60-01140A
 ir transmitting. 60-03561A
 jars, safety in microwave oven. 60-04758A
 joints, interchangeable. 60-03563A
 from kanazites, and conventional charges. 60-01057A
 laser, LG812 and BK7, used for nuclear fusion in Shiva Nova experiment. 60-03580A
 Nd-doped, piezoelectric coeffs. 60-00242A
 disk, edge-cladding glass of. 60-00314P
 with low refractive index. 60-00331P
 rf melting of. 60-01143A
 for lasers, Nd fusion. 60-01052A
 layered, display panel, method of constructing. 60-04076P
 layers, gradient photochromic, method for producing. 60-01095A
 octadecyl amine, effect of bivalent anions on formation. 60-03556A
 leaching, effect of gamma radiation. 60-02270A
 photon spectrometry studies. 60-00171A
 for lenses, eyeglasses. 60-02392P
 liquefying, determination of conode direction and phase composition. 60-00133A
 liquid impact on, oblique impact anomaly in. 60-00230A

- with lower PbO content. 60-04931P
luminescent, X-ray. 60-03820P
machining of. 60-01084A; 60-03532A
macroporous, formation mechanism and localization of surface defects. 60-03519A
magnetic susceptibility of, torsional resonance study. 60-00226A
marking, methods and systems. 60-03535A
masterpieces, world history from Corning Museum of Glass. 60-02032B
matrix, fixation of radioactive materials in. 60-00612P
mats, fibrous, apparatus for heat treatment of. 60-03725P
-melting, Na vaporization during, role of water vapor and S compounds. 60-03661A
elaboration of balance equations and computer analysis. 60-04728A
electric, safety factors. 60-03663A
energy performance, mathematical description. 60-00262A
equation for interaction between granular material and liquid. 60-03573A
modeling, similarity of electrothermomechanical processes. 60-04860A
pots for, made from Indian clays. 60-05083A
and refining, use of Indian blast furnace slag as additive for accelerating. 60-03554A
-melts, analysis of energy performance. 60-00127A
bubble behavior during refining, mathematical model. 60-00206A
multibubble dissolution in. 60-00221A
multiphase electrical current field in. 60-04809A
silicate and silicate-salt, viscosity. 60-04907A
silicate, vapor pressures of. 60-02356A
system Fe oxide-borate, anodic processes in. 60-00102A
of system $\text{Na}_2\text{O}-\text{Rb}_2\text{O}-\text{SiO}_2$, ion exchange between. 60-01069A
of system $\text{Na}_2\text{O}-\text{SiO}_2$, thermodynamic properties. 60-01185A
member, process for producing. 60-00369P
membranes, microporous, permeability of gases through. 60-01122A
-metal, bonding, fundamentals. 60-00956A
from metal alcohols. 60-01056A
metal coated, method for making. 60-04967P
-to-metal seals, annealing of. 60-05746B
metallic. 60-03606A; 60-03607A
characteristics and applications. 60-03444A
strips, containing embedded particles. 60-03813P
use of Young's modulus to monitor relaxation. 60-02354A
metaphosphate, Tb-activated Na rare earth, quenching of luminescence. 60-03459A
with high- Nd^{3+} content, spectral-generation studies. 60-04870A
luminescence of Fe^{3+} in. 60-02306A
method for masking. 60-03772P
-mica, composite material effects of temp., pressure, and water on preparation. 60-01746A
for mica-crystalline material. 60-04943P
microballoons, controlling shape of. 60-02257A
microelectrodes, effect of diffusion and glass conduction on resistance. 60-05278A
microspheres, method for introducing gases into. 60-03771P
mirrors, explosion risks and safety measures during production. 60-04743A
mixed cation, electrical conductivities of. 60-01030A
mixed-alkali, thermal conductivity of. 60-04893A
mixed-alkali effect in, weak-electrolyte models for. 60-01200A
mixture, effect of humidity, temp., and surface active agents on homogeneity. 60-04717A
stratification during transport, effect of humidity, temp., and surface active agents. 60-04717A
use of $\text{Ca}(\text{OH})_2$. 60-01130A
models, chemical. 60-04681A; 60-04682A; 60-04683A; 60-04684A; 60-04685A
relations between volume and enthalpy relaxation. 60-03199A
molds, attaching flexible cover to. 60-03729P
heat-resistant lubricant for. 60-01247P
molten, continuous preparation from wastes. 60-02420P
effect on corundum-baddeleyite tank blocks. 60-05090A
electrode reactions of conductive materials in. 60-00150A
flow in throat of electric glassmelting furnace. 60-04745A
metal ions, diffusion and redox behavior. 60-00149A
method and apparatus for inking. 60-04955P
process for controlling variables. 60-04991P
multicomponent, fibers, strength of. 60-03680A
high durability optical fibers made from. 60-03794P
liquid-liquid immiscibility in. 60-00200A
natural, fusion processes of, spectroscopic study. 60-00283A
neck ring mechanism. 60-04978P
network, structural distribution and rigidity, determined by EPR of Cu^{2+} . 60-01170A
nucleation in, and DTA. 60-03622A
objects, methods of joining. 60-03788P
opacified, alkali-poor. 60-00099A
opal, economic importance and electric melting of. 60-03625A; 60-04813A
quality improvement by stirring. 60-02321A
opaque. 60-01280P
optical. 60-00361P; 60-01282P; 60-01283P; 60-03796P; 60-03797P
Be fluoride. 60-03439A
with I added to increase strength. 60-01234P
PbO-doped, as radiation emission protection. 60-03708A
articles with protective plastic coatings. 60-03798P
chemical durability. 60-00986A
clear Cu halide photochromic. 60-00362P
heat-absorbing. 60-04983P
improved recording refractometer for. 60-03551A
mechanism of polishing. 60-03602A
solarization- and irradiation-resistant. 60-03809P
stability of foam formed during polishing. 60-03675A
waveguide, determination of B, Ge, P, and Si in, spectrometric. 60-00131A
optical waveguide losses in, reduction and control. 60-04845A
optics, vs metal optics. 60-03605A
oxide. 60-01128A
Li self-diffusion in, spectrometric determination. 60-00204A
O anomalies of. 60-04821A
application of polaron theory to. 60-00981A
binary alkali, coordination effects on alkali ion diffusion. 60-00999A
binary, EPR studies of Cu in. 60-03647A
binary, synthesis by hot-pressing of gels. 60-01182A
coated. 60-00363P
electronic structure and optical properties. 60-01034A; 60-01035A
emission of Mg^{2+} , coordination number and chemical shift. 60-00994A
fast ion transport in. 60-01042A
free volume at transition temp. 60-03523A
internal friction in, new interpretation of. 60-00225A
ionic conductivity, thermodynamic approach to. 60-03705A
local in-depth analysis by mass spectrometry. 60-04793A
semiconducting, containing V_2O_5 , electrical properties. 60-01031A
semiconducting, electrical properties. 60-03495A
with oxide film. 60-04947P
oxynitride. 60-00238A; 60-01121A
dielectric properties of. 60-03473A
panels, insulating, apparatus for sealing. 60-01208P
laminated, for land vehicles. 60-00324P
parisons, method and apparatus for forming. 60-04954P
particulate, purification of, magnetic. 60-00371P
phase separable, properties of antireflection layers on. 60-04838A
phase-separated, fracture toughness, Vickers indentation evaluation. 60-00292A
structural origin of light scattering from. 60-04876A
phosphate, Cd-containing, scintillation properties. 60-03665A
Nd electron energy deactivation and transfer in. 60-03618A
alkali metal, modeling of electron structures. 60-04804A
containing Li_2O , La_2O_3 , and rare-earth oxide, radiation-induced paramagnetic centers. 60-00253A
free volume of. 60-01049A
laser, compositions. 60-02404P
meta-, of mono- and divalent metals, physicochemical properties. 60-03639A
mixed-alkali, irradiated, visible spectroscopy of. 60-02358A
protonated and deuterated, quenching of luminescence. 60-00251A
quenching of Nd, Er, and Yb luminescence in. 60-04691A
reduced, thermochromism in. 60-03704A
phosphate base, for lasers. 60-02434P
phosphate-rich, effect of SnO_2 on phase composition and physicochemical properties. 60-02268A
phosphate-vanadate, semiconductor, electron characteristics. 60-04736A
phosphors, alkali and alkaline earth rare earth meta-phosphate, fluorescent properties. 60-03514A
phosphosilicate, CVD, measurement of P concentration profiles. 60-02307A
phosphosilicates, occurrence. 60-03624A
photochromic. 60-01287P; 60-03638A
Ag halide, effect of composition on darkening and fading. 60-01023A
Ag halide, growth of photoinduced absorption in. 60-01087A
Ag halide, nonirradiated, relation between heat treatment and absorption spectra. 60-03658A
colored. 60-01225P
darkening kinetics, at high excitation levels. 60-01006A
effect of gamma radiation on. 60-04713A
optically detected transitions in. 60-04818A
photosensitivity, relation to temp. 60-00261A
thermochemical effects in. 60-00289A
photoelasticity, effect of cation polarizability. 60-00138A
photosensitive, Li K aluminosilicate. 60-02405P
mechanism of formation and growth of Ag colloids in. 60-01091A
physical properties, relation to density of states and structural forms. 60-00129A
pipes, clear view for process plants. 60-03451A
-plastic lenses, method for casting. 60-02415P
plates, device for breaking to produce a sharp edge. 60-03739P
insulating, device for making. 60-02380P
polishing, powders for. 60-00007P
-polycarbonate, laminate. 60-01808P
polychromatic, color photographic process using. 60-03734P
polymer. 60-01128A
porous, dehydroxylation with Cl. 60-02260A
heat conduction of. 60-04763A
localization of H-centers in. 60-03592A
potential, in harnessing solar energy. 60-00243A
powders, waste, reaction of foaming additives in preparation of lightweight materials. 60-01146A
prestressable, thermally high. 60-03816P
processing, in space. 60-04834A
production, evaluation of sands for. 60-00987A
use of basalt. 60-00980A
products, method for forming from low viscosity melts. 60-02412P
properties, based on composition, use of Mueller units for calculating. 60-01194A
protective, multiple layer, for welding shield. 60-01279P
proton transport. 60-01141A
pyroxene, effect of additives on crystallization. 60-04721A
quantitative control, by series-chemical analysis. 60-05447A
quartz, Fe impurities in region of uv absorption. 60-00195A
X-ray analysis of cristobalite in. 60-01142A
activated with Sm^{3+} , thermo- and photoluminescence. 60-01184A
ampoules, treatment. 60-02458P
ceramics with high dielectric constant based on. 60-04835A
color centers in. 60-00988A
dielectric spectra. 60-04706A
effect of calcination on surface conductivity in moist atm. 60-03488A
effect of impurities of alkali metal and Al oxides on viscosity. 60-04689A
fundamental absorption. 60-04748A
granular, product made from. 60-02397P
hydroxyl-free, breakdown threshold of light in. 60-04674A
ion-doped, velocity and absorption of ultrasound in. 60-01197A
optical, temp. and spectral absorption coeff., relation between. 60-02300A
problems in grinding and molding. 60-04833A
radiation-induced defects, kinetics of. 60-03577A
quartz for, industrial-scale recovery through flotation. 60-01712A
quartz sand-limestone-dolomite-clay, modes of mineral formation in. 60-04805A
quenched, rapidly. 60-01145A
quenching, using thermal-image furnace. 60-03653A
radiation-coloration-resistant, with high water content. 60-03649A
radioactive waste, viscosity, method for measuring. 60-02843A
raw materials, decomposition of, thermogravimetric and gas-chromatographic study. 60-01186A
system for pelletizing. 60-02455P
reactions, with aqueous solutions, effect of Al_2O_3 and ZrO_2 on. 60-03483A
reactivity, fluorocarbon treatment for reducing. 60-04930P
recovery, from incinerated urban wastes. 60-01149A
from municipal wastes, method for recycling water. 60-04963P
red. 60-01293P
refining and homogenizing, studied by numerical model. 60-00259A
reflective, method of restoring and repairing. 60-02430P
reinforcements, and fire retardant glass-resin composites made from. 60-01807P
relaxation in, electrical, Debye-Falkenhagen theory. 60-01008A
memory effects. 60-03604A
research, Otto Schott, pioneer in. 60-03632A
for optical waveguides. 60-01054A
resonance in, ESR. 60-01033A
rhyolite, leaching behavior. 60-03583A
rhyolitic, short term dissolution, kinetic model for. 60-04786A
rods, compressively clad, comparison of measurement of residual stress in—correction. 60-00123A
ruby, Cu, photosensitive and normal, mechanism of red color formation. 60-04800A
rupture, on local contact loading. 60-03662A
safety, furnaces for. 60-03526A
how to cut. 60-04769A
laminated, method for making. 60-04974P
release molds for laminating. 60-04996P
sandwich-type, method of prestressing one bent sheet. 60-03783P
sands, technological properties based on mineralogical data. 60-02038B
tubular grated dryer for. 60-04891A
upgrading, by magnetic separation and flotation. 60-01719A
science, sol-gel processes. 60-01161A
and technology. 60-03276B
scintillators, for pulsed neutron diffraction. 60-00172A
scoring and breaking, deformation and fracture mechanics approach. 60-00128A
scratching, high-temp., deformation and cracking during. 60-03467A
seal, for nozzle of ink jet printer. 60-00373P
sealing. 60-04096P; 60-04999P

- to Al alloys. 60-00174A
to Mo. 60-02390P
Na resistant. 60-03808P
hermetic, by electrostatic bonding. 60-00176A
with high ir absorption coeff. 60-04998P
low-temp. 60-02407P
seals. 60-05316P
semiconducting, with flux pinning implications. 60-03807P
semiconductor, electron states of impurities in. 60-04737A
separation of, from urban wastes, microscopic and thermal-adhesion techniques. 60-00233A
sheet, Al_2O_3 -borosilicate, solar, properties of. 60-00250A
sheets, colored, "antique". 60-03453A
fractured, removing fragments during tempering. 60-01295P
with improved break patterns, mfg. 60-01291P
method for handling in union. 60-03777P
method for reducing roll marking. 60-03776P
and plates, thermally tempered, optical waveguide effect, measurement of surface stress by. 60-03630A
shaping by sag bending and blow forming. 60-01298P
shaping using molds. 60-02445P
system for inspecting flatness. 60-02453P
tempered, controlling kinking of. 60-03736P
thermal treatment. 60-00381P
vertical drawing process. 60-02318A
shot, from molten siliceous-aluminous composition, method of making. 60-03781P
sight, method of fusing to metal part. 60-00351P
silicate, Brillouin scattering and Pockels coeffs. 60-00984A
Fe and Ce in, oxidation-reduction equilibria. 60-00236A
Fe and Na self-diffusion in. 60-03572A
analysis, structural. 60-00190A
anion distributions, importance for glass formation. 60-03434A
application of grazing X-ray reflection to polishing of. 60-03445A
containing Na_2SO_4 , evaporation of. 60-01039A;
60-04741A
containing rare earths, complexometric analysis. 60-04690A
diffusion of Sn(IV) in. 60-02264A
effect of ligation on positron lifetime. 60-04718A
elastic wave velocities, temp. and compositional variations of. 60-00287A
fibers, structural anisotropies, ESR study. 60-01040A
formation of Ca phosphate films on. 60-01048A
hydration, in steam. 60-00181A
liquefying, homogenizing effect of aluminate complexes. 60-00179A
molten, statistical theory. 60-03677A
optical absorption due to ferric iron in. 60-00231A
protonated, redistribution of guest protons in. 60-01046A
self-accelerated acid leaching of. 60-04677A
stable, containing 10 wt% H_2O . 60-01164A
state of Cr ion. 60-02337A
stress relaxation at high temp. 60-01092A
structural position of Ti. 60-01171A
of system SiO_2 - Al_2O_3 - MgO - CaO - MnO , chemical stability. 60-04687A
silicate and borate, Sb_2O_3 in, oxidation-reduction behavior. 60-00235A
silicate and phosphate, XPS measurements and structural aspects. 60-01203A
siliceous, between mullite crystals, residual stress in. 60-02335A
silicaluminate, ion-exchange and interdiffusion mechanisms, kinetics of. 60-00197A
slag, nucleation and crystallization. 60-01110A
spacefied with ZnS . 60-00268A
relations between properties and structural parameters. 60-04853A
and slag-glass, building materials, effectiveness of. 60-03272B
from slags, blast furnace. 60-01195A
soda-borate, interaction between Cu and Mn in, ESR study. 60-00188A
soda-lime, diffusion of Sn in. 60-01016A
softening temp., instrument for measuring. 60-03759P
sol-gel, review of technology. 60-04862A
solder, for joining Al_2O_3 to Fe-Ni alloys. 60-04946P
solder sealing, devitrifying. 60-002381P
solid/liquid interface, surface conductivity at. 60-01178A
in space. 60-00170A
spectacles, molds for pressing, from cast iron "Skio Union". 60-04678A
spectra, Moessbauer, two-parameter distribution analysis. 60-03712A
modification by additions of Ag and Cu. 60-00218A
vibrational, relation to deactivation of rare-earth ions. 60-04904A
spheres, small hollow, method for producing. 60-03775P
stained. 60-05002P
guide to information sources. 60-00867B
medieval, technical analysis. 60-04499A
mfg. 60-03596A
staining of, amber. 60-03431A
state, microscopic theory for. 60-03608A
steady state crystal, nucleation rates, analysis of. 60-04664A; 60-04665A
strand, nondiscoloring size for. 60-02431P
strength, biaxial, testing of. 60-00106A
mechanical. 60-00212A; 60-00286A
strengthening, by alkali-Cu ion exchange. 60-01169A
by ion-exchange. 60-00352P; 60-01301P; 60-01302P
structural member, strengthened. 60-00378P
structure, analysis from gas transport studies. 60-01131A
and vibrational spectra. 60-00293A
subjected to ion exchange, bending strength. 60-04672A
substrates, SnO_2 films on, electrical properties. 60-00147A
three-component polymeric coating for. 60-03817P
with sulfide base, synthesis, structure, and ionic conduction. 60-03697A
superionic conducting, in system AgI - Ag_2O - MoO_3 , structure and ionic transport. 60-00281A
support, method of applying luminescent material. 60-01268P
surface cord, analysis. 60-02343A
a case history. 60-02344A
comments on. 60-02289A
surfaces, damage to, by various materials at high temp. 60-01005A
method for applying inorganic coating to. 60-03768P
organotin treatment for reducing reactivity. 60-03799P
process for coating. 60-03804P
producing a semielliptical flaw in. 60-02330A
reaction with aqueous solutions. 60-01147A
sorption study. 60-04777A
suspensions, gelled solder, for sealing. 60-03749P
swelling. 60-00286A
system, AgI - Ag_2O - GeO_2 , superionic conducting, ir spectra. 60-00187A
systems, Ag - S - $AgPO_3$, superionic conducting. 60-03693A
 Ag - As - Se , conductivity of Ag -rich glasses in. 60-04810A
 AgX - Ag - O - P - O , ($X = I, Br, Cl$), formation region and ionic conductivity. 60-03521A
 $0.2Al(PO_3)_3 \cdot 0.8LiF + MF$ where $M = Na$ or K , ir spectra. 60-04780A
 As - Ge - Se , with excess Se along cross sections, electrical conductivity. 60-04734A
 As - Ge - Te and Se - Ge - Te , electrical conductivity and dielectric constant. 60-03493A
 As - S , viscosity and elastic properties. 60-00294A
 As - S - Ag , electrical conductivity. 60-04729A
 As - Se , oscillation spectra of. 60-04819A
 As - Se , relations between concentration and physicochemical properties. 60-04864A
 As - Te - Al , synthesis and properties. 60-01180A
 B_2O_3 - BaO , region of liquid immiscibility in. 60-04848A
 $Ba(PO_3)_2$ - MgF_2 , effect of MgF_2 on properties. 60-04714A
 BaO - B_2O_3 - SiO_2 , effect of temp. on position of conodes in melts. 60-00142A
Bi-containing, for coating integrated circuits, synthesis and properties. 60-04888A
Ca nitrate-K nitrate-water, transition temp. 60-04761A
 CaF_2 - AlF_3 - P_2O_5 , formation and properties. 60-03518A
 CaO - FeO - SiO_2 , formation and properties. 60-00165A
 Ga_2O_3 - B_2O_3 - SiO_2 , ligation in. 60-04792A
 Ge - Sb - S , in S -rich region, Raman spectra. 60-01144A
 Ge - Te - Ca and Ge - Te - In , formation and properties. 60-04754A
 GeO_2 - $2Na_2O$ - $9CaO$, crystallization in. 60-00126A
 K_2O - SiO_2 - GeO_2 and Cs_2O - SiO_2 - GeO_2 , XRD studies. 60-03718A
 La_2O_3 - Al_2O_3 - SiO_2 , synthesis and study. 60-01181A
 Li - Al - Al_2O_3 - SiO_2 , effect of Sn additive on crystallization. 60-01028A
 Li - SiO_2 - TiO_2 , structure and crystallization, Raman spectroscopic study. 60-04877A
 MgO - B_2O_3 , determination of structure. 60-04701A
 $Na_2O(K_2O)$ - CaO - Al_2O_3 - SiO_2 , relation between concentration and viscosity. 60-04849A
 Na_2O - B_2O_3 - Al_2O_3 - ZrO_2 - SiO_2 , glass formation and crystallization capacity. 60-04752A
 Na_2O - B_2O_3 - P_2O_5 , modification of spectral-luminescent properties. 60-00219A
 Na_2O - B_2O_3 - SiO_2 , spectroscopic study of ligation in. 60-04887A
 Na_2O - CaO - Al_2O_3 - SiO_2 , 60-01001A
 Na_2O - Fe_2O_3 - SiO_2 , Moessbauer study. 60-01103A
 Na_2O - TiO_2 - B_2O_3 and Ag_2O - TiO_2 - B_2O_3 , electrical conduction in. 60-04731A
 Na_2O - ZnO - B_2O_3 - SiO_2 , liquid immiscibility in. 60-03589A
 Na_2O - ZnO - B_2O_3 - ZrO_2 - SiO_2 , physicochemical properties. 60-04865A
 Nd_2O_3 - SiO_2 , metastable ligation in. 60-01093A
 P_2O_5 - V_2O_5 - Nb_2O_5 - TiO_2 , structure of. 60-04884A
 P - Se - Ti , NMR of ^{31}P and ^{99}Tl . 60-01109A
 PbO - Al_2O_3 - B_2O_3 , structure and properties. 60-04880A
 PbO - SiO_2 - GeO_2 , ir absorption study. 60-01073A
 RO - $Nd(PO_3)_2$ - SiP_2O_7 ($RO = ZnO, SrO, CdO$, and BaO). 60-01125A
 Sb - Ge - Se , electrical conductivity. 60-04733A
 SiO_2 - Al_2O_3 - MgO - CaO - MnO , vitrification and crystallization capacity. 60-00296A
 SiO_2 - B_2O_3 , made by hot-pressing gases, synthesis and characterization. 60-03695A
 SiO_2 - B_2O_3 - Al_2O_3 - Na_2O - F , Al-B anomaly in. 60-04662A
 SiO_2 - CaO - Na_2O - R_2O , chemical durability. 60-04680A
 SnO - SiO_2 , structure of. 60-03688A
 SrO - BaO - Al_2O_3 - TiO_2 - SiO_2 , structure of, ir spectroscopic study. 60-04781A
Ti-containing Li aluminosilicate, devitrification, Raman spectral data for. 60-03651A
 ZrO_2 - SiO_2 and Na_2O - ZrO_2 - SiO_2 , preparation of fibers from. 60-00246A
chemicals and minerals in. 60-03448A; 60-03449A
diopside-devitrification, optimization of nucleation and crystal growth. 60-01120A
gallagermanate, F-containing alkali-free, formation and properties. 60-04753A
phosphate-silicate, immiscibility and Vycor-type glass in. 60-00214A; 60-00215A
ternary tellurite-halide, physical properties. 60-01053A
theory of dielectric relaxation in. 60-03470A
targets, laser-induced damage to. 60-03581A
technology, developments since 1978. 60-03277B
tellurite, acoustooptic device using. 60-03722P
structure simulation of. 60-03690A
tempered, by different methods, density tests for. 60-01009A
ternary, Ti-rich, optical absorption. 60-04814A
thickness, automatic measurement. 60-00108A
titanosilicate, thermal expansion as function of heat treatment. 60-04895A
touching, by metallic particles. 60-04899A
transition, and communal entropy. 60-00122A
transparent, plating of, with mass of opal glass. 60-04710A
-tube fuse. 60-01244P
tubes, electronic, height control. 60-02273A
mfg. ampoules from. 60-03477P
process and apparatus for calibrating. 60-02437P
two-phase, in system As - Se - Ag . 60-01191A
uranium Nd and Ho, solar converter based on. 60-04770A
vanadate-phosphate, enhanced electron emission from. 60-02275A
vessels, apparatus for making. 60-00349P
insulated. 60-04948P
viscous, flow in lens through prismatic channel, course of level curve. 60-04694A
ware, Na_2O - CaO , colored. 60-01226P
recorded in 15th century Venetian documents. 60-00012A
tinted. 60-05005P
volumetric, minimizing error in preparation of standard solutions with. 60-02845A
wastes, radioactive. 60-00610A
urban, recovery by mineralogical processes. 60-00258A
water, reactions at high temp. and pressure. 60-01199A
waterproofing, with polydimethylsiloxane, effect of glass composition and thermal expansion. 60-03484A
waveguide, optical, sintering of. 60-00267A
weak electrolyte theory. 60-00193A
applicability to. 60-00978A
window, Gallo-Roman, from France, chemical composition. 60-002057A
rheology, dynamic-mechanical study. 60-01176A
windows, automobile, antenna system for. 60-03723P
diamond-machined, laser-induced breakdown of. 60-01076A
fire resistant. 60-03747P
insulating, apparatus for producing spacer frames for. 60-03727P
low reflection coatings for. 60-03761P
stained, mfg. 60-03504A
stained, production of. 60-03644A
yarns, apparatus for producing. 60-03264P
staple-fibered, production of. 60-03289B
Glassmaking equipment,
for actuating ribbon, cross scoring, and snapping. 60-02454P
for assembling shaped leaves. 60-02439P
for bending sheets. 60-01209P; 60-01257P; 60-04977P
fluid replacement system for hydraulic actuators. 60-04929P
in union. 60-03777P
blowhead, triple gob or baffle construction. 60-03818P
for breaking. 60-00325P; 60-04939P
plates, to produce a sharp edge. 60-03739P
for canceling nonrefillable bottles. 60-02362P
clamp, for suspending sheets. 60-02444P
for combining lanes. 60-03724P
for controlling kinking, of tempered sheets. 60-03736P
conveyor drive. 60-01300P
for curving sheets. 60-00340P
for cutting. 60-04940P
gobs. 60-01228P
dam for controlling Sn currents in float chamber. 60-04925P
for drawing fibers. 60-01211P; 60-04912P
for drop forming sheets. 60-00375P; 60-01229P;
60-01254P; 60-01297P
edge stretcher, gas cushioned ice skate. 60-03748P
edge stretching rollers, for making sheets, cooling of. 60-00309P
for feeding agglomerates to furnace. 60-04926P
feeding bowl, for molten material. 60-03791P
fiber forming spinner. 60-04997P
forming machines. 60-00333P; 60-00334P; 60-02394P;
60-02395P; 60-02396P
Soviet production of. 60-04867A
transfer means. 60-05006P
for forming tempered sheets, with pyrolytic film. 60-01253P
for grinding plates. 60-01260P
for handling and shaping. 60-02457P
for handling sheets. 60-04917P
heat exchangers in float apparatus, support for. 60-02452P
for holding cup-shaped ware in processing machine. 60-01250P

- infeed gate, and control apparatus for. 60-03728P
for inspecting flatness of sheets. 60-02453P
lathes, precision, from U.K. 60-03641A
for leaded articles. 60-04915P
lehr, curtain project. 60-01079A
remodeled for fuel conservation. 60-02287A
for making sheets on molten metal bath. 60-00342P
for making windows by breaking scored sheets. 60-00306P
microprocessors, for controlling float glass plant.
60-00216A
for milling and grinding, precision. 60-03642A
for mineral fibers. 60-04916P
mold cover, flexible, method of attaching. 60-03729P
molding machine. 60-04950P
for molding objects with tongs and spades. 60-01213P
for molding sheets. 60-04957P
molds, cooling system for. 60-02376P
for forming slotted sheets. 60-05001P
fully martensitic steel. 60-00322P
low-alloy cast iron, dilatometric study. 60-04709A
method of treating. 60-03787P
for press bending sheets, treating covers of. 60-05007P
press bending, double link arrangement for. 60-02382P
release, for laminating safety glass. 60-04996P
for shaping glass sheets. 60-02445P
shaping, speed changes during cycling. 60-03819P
surface temp. during container forming. 60-00220A
override system. 60-03800P
plunger mechanism, for forming machine. 60-04985P;
60-04986P
pollution abating, energy conserving. 60-02435P
for press bending sheets. 60-00348P
presses, automatic, for goblets. 60-03643A
for processing mineral fibers. 60-04914P
for producing tubes, Braun. 60-03726P
for producing vessels. 60-00349P
for production of large containers. 60-00307P
for rotary fire-fining. 60-03806P
for shaping moving sheets. 60-00355P
for shaping sheets, by bag bending and blow forming.
60-01298P
for solar cell glassing. 60-03730P
for supporting and conveying sheets. 60-00327P
for tempering sheets. 60-00328P
for thermal hardening of sheets. 60-01207P
for thermally severing. 60-01214P
for transporting sheets. 60-01215P
for vacuum molding of sheets. 60-00329P
- Glassmaking, furnaces.** See *Furnaces*.
Glazes. See also *Decoration*.
60-04614A
with BaO and SO₂ added, for improved cold and
shock resistance. 60-01504P
Pb-ceramic, diffusive model of Pb²⁺ release. 60-03958A
Pb-free, for Al₂O₃ bodies. 60-03989P
ancient, heating behavior of. 60-00891A
for bonding metal layer to substrate. 60-05317P
bright, cone 01-1, effect of additives on thermal expansion.
60-01473A
ceramic, data bank. 60-01469A
colored, with increased firing range and luster. 60-05242P
conductive, method of making. 60-05237P
in contact with acetic acid and foods, Pb and Cd release
under influence of light. 60-05217A
corrosion. 60-00085A; 60-02228A
with decreased thermal expansion by adding CuO and Al₂O₃.
60-05249P
dull, for facade tiles. 60-03959A
frit-free. 60-05241P
with increased fusibility range and heat resistance.
60-05244P
with increased heat resistance. 60-05246P
increasing heat and chemical resistance by adding ZnO.
60-05245P
low-B, for rapid firing of tiles. 60-03966A
with mechanical abrasion resistance. 60-05250P
opaque, white and colored, development of. 60-02580A
opaque. 60-05252P; 60-05253P; 60-05254P; 60-05255P
porcelain, thermal analysis of maturing. 60-05230A
rapid firing, for facing tiles. 60-02587A
recipes, potter's book of. 60-02033B
silicate, diffusion of Sn(IV) in. 60-02264A
solar-collector, glass and polyester coatings compared.
60-00958A
special effects with. 60-00897A
-stress calculation, from ring-test data. 60-00486A
for tiles, decorative embossed. 60-03960A
transparent, decreasing firing temp. by adding ZnO, CaO,
and K₂O. 60-05243P
on whiteware. 60-03986P
quality assurance. 60-05209A
yellow, for cones 5–10. 60-00904A
- Glazing.**
electrostatic, of sanitary ware. 60-05205A
method. 60-00496P
panels, apparatus for making. 60-04913P
porcelain, microscopic characterization. 60-05218A
products, mfg., by Harrison Mayer. 60-05214A
of sanitary ware, on conveyor lines. 60-03961A
production improvements. 60-05213A
- Glossaries.** See *Nomenclature*.
Gold.
and Al, interface reactions with SiO₂. 60-05565A
- (III), oxide and oxychloride, crystal structure. 60-03091A
alloys, for firing on porcelain dental ceramics. 60-00494P
for porcelain-fused-to-metal dental restorations.
60-02588A
films, condensed on glass, coalescence of. 60-04688A
in glasses, borate, solubility, oxidation state, and
optical absorption. 60-04863A
particles, in SiO₂, in thin-film solar absorber. 60-04048A
simulated appearance, for whiteware decoration. 60-03984P
stripping operation, by Collins. 60-03962A
surface layer, effect on electrochromic behavior of WO₃
films. 60-02656A
- Grading machines.** See *Machinery and equipment*.
Grain boundaries.
in Al₂O₃, structure of, electron diffraction and
microscopic study. 60-00788A
MgO, Pt condensation on. 60-04395A
analysis, of MgO-doped Al₂O₃. 60-04336A
in ceramic materials. 60-00796A
creep cavities along, energy variations in diffusive
growth. 60-01893A
desegregation, in silicons. 60-00797A
grooving, of Si. 60-02006A
high-angle, in metals and ceramic oxides, structure of.
60-01985A
structure, electron diffraction and microscopy techniques
for studying. 60-04322A
thickness, study using electron diffraction techniques.
60-01988A
- Grain growth.**
in UO₂. 60-05369A
anomalous, in PLZT. 60-02607A
during liquid phase sintering, application of numerical
method for analysis. 60-03034A
- Grains.** See *Particles*.
Granular materials. See also *Powders*.
Al₂O₃, active, production of. 60-02925P
low-soda, apparatus for mfg. 60-04192P
Na metasilicate, production. 60-02916P
clay or cement, storing or transporting in bulk. 60-04140P
dielectric, method and apparatus for drying. 60-00559P
quartz, glass product. 60-02397P
refractory, based on ZrO₂ and MgO. 60-01422P
bulk density, errors in determination. 60-03887A
slags, blast furnace, method for treating. 60-00944P
molten, apparatus for making. 60-01212P
- Granulation.** See *Crushing; Grinding*.
Granulometry. See *Particles, size*.
Graphite. See also *Carbon; Composites; Refractories*.
and B₂C, composites, made by hot-pressing. 60-04212A
Nb on, CVD of. 60-01738A
POCO, thermophysical properties. 60-02008A
artificial. 60-00456P
coated. 60-01800P
coating of, with solids, pyrolytic gas method. 60-04259P
composite, vermicular expanded. 60-04271P
compounds, NMR study of mobility of fluorides in.
60-01314A
-containing refractories. 60-02515A
deposition of Si films on. 60-01627P
electrodes, apparatus for coating. 60-03918P
enclosures, warped, method of reshaping. 60-03934P
-epoxy, composites, impact damaged, acoustic emission of.
60-04199A
fibers, alignment process and apparatus. 60-05531P
glass composite reinforced with. 60-04236P
metal matrix composite. 60-00744P
flexible, method of making. 60-00761P
gasification, process for. 60-00618P
in hard carbons, electron microscopy study. 60-04282A
irradiated, stored at room temp., annealing neutron
damage. 60-04106A
isotropic, high density, high strength, mfg. 60-00750P
nuclear, effect of porosity on thermal conductivity.
60-05366A
effect of residual strain on thermal conductivity.
60-05367A
polygranular, relation of flexural strength to porosity.
60-02949A
porosity, effect of oxidation on. 60-05607A
products, flexible, process for making. 60-03015P
pyrolytic, flat grids for electron tubes, method of making.
60-02766P
reactivity of atomic H with, synergistic effect of
electrons on. 60-05392A
reactor, quantitative microanalysis by laser spectroscopy.
60-01640A
sheets, composite. 60-01801P
flexible, treated with alkali metal salt. 60-00743P
strength, effect of oxidation on. 60-05607A
vitro-, new ceramic material, production. 60-01714A
- Gravity.**
specific, apparatus and method for measuring. 60-05452P
- Grindability.**
of clinker. 60-04519A
- Grinding (comminution).** See also *Crushing apparatus;*
Mills.
of clinkers, plant for. 60-00036A
of coal, consideration of explosive properties in
construction of plants. 60-02870A
control systems. 60-02088A
with vertical mill and inert gas circuit. 60-02083A
of crystalline solids, effect of number and size of milling
balls. 60-05410A
- formulas, for calculation of matrix recipe. 60-04484A
intermediate, of refractory materials. 60-05092A
mills, pebble, recent design changes. 60-01653A
of powders, nonmetallic. 60-01652A
process, and particle interaction. 60-04129A
of raw materials, cement, comparison of roller and ball
mills. 60-02086A
work time, calculation with two-step nomograph. 60-04128A
- Grinding (material removal).** See also *Abrasives;*
Diamonds; Polishing.
direction, effect on flaw character and strength of
crystalline materials. 60-04309A
glass, and ceramics, types of diamonds used. 60-02040A
crystal, computer control of. 60-03458A
of glasses, quartz, problems in. 60-04833A
- Grinding apparatus.** See also *Abrasives*.
belts, Al₂O₃- and Al₂O₃-ZrO₂-coated, effect of
grinding mode on wear. 60-03298A
for clays. 60-00625P
disks, diamond, abrasives for. 60-00002A
wheels. 60-00878P
bursting, motion of fragments. 60-04487A
containing grain-coated reinforcement fibers. 60-03302P
corundum, relation between structure, elasticity, and
grinding behavior. 60-04488A
diamond and BN, with improved Ag alloy bonds.
60-02047P
electrically conductive, method of making. 60-02048P
large vitrified, improving safety. 60-00874A
measurement of bending strength and Young's modulus.
60-04486A
segmented cup, method of making. 60-02049P
soft acting phenol-formaldehyde bonded. 60-02052P
spin tester for. 60-04489A
using glass and glass-ceramic bonds, strength of.
60-03679A
- Grog.**
Al₂O₃-chrome, plastic refractories with. 60-01443P
- Gumite.**
60-03929P
refractory. 60-01395A
- Gunning.**
apparatus, for refractories. 60-05163P
compositions, grog-based aggregates containing Al₂O₃.
60-00431A
dry, K silicate cement for. 60-00077P
machine, for converters. 60-05061A
mechanical, zoned, for improved ladle life. 60-01417A
mixture, refractory. 60-02561P; 60-05178P
wet-, composition for crows of open hearth furnaces.
60-01342A
- Guns.** See *Electrostatic processes; Spraying apparatus*.
Gypsum. See also *Plasters*.
and CaO, in small plaster samples, DSC-computer
determination. 60-00631A
articles, with increased strength and decreased moisture.
60-04585P
-based, binders. 60-04587P
beta-hemihydrate, effect of temp. and methyl cellulose
on hydration. 60-00025A
binder. 60-04586P
board, fiber-reinforced, method of making. 60-03404P
calcined, preparation from lignosulfonates. 60-02217P
from combustion gas desulfurization, use in cement
industry. 60-04577A
conversion, thermal, apparatus for. 60-02199P
flue-gas, production from solid solutions of Ca sulfate
dihydrate and Ca sulfite. 60-04566A
industry, 1000 ton/day Mazandaran plant, Semnan, Iran.
60-02156A
interaction with C₂A, effect of active SiO₂ on.
60-03352A
phospho-, polymer-bonded, use of bentonite in. 60-05036A
as regulator of setting time of cements. 60-04553A
as stabilizer in basalt-containing portland cement.
60-00924A
plaster. 60-00057P
hard, method of making. 60-00941P
retarder for. 60-00073P
treatment of. 60-00079P; 60-00080P
plasters, production at Tabriz, Iran. 60-02158A
in sacks, dispatch system. 60-02162A
processing, in calcining kettle, methods of reducing
energy consumption. 60-02151A
production, technical progress. 60-03295B
raw materials, in digester, equipment for automatic
control. 60-04592P
research and development, objectives. 60-04538A
setting, French method for evaluating. 60-00049A
structure, crystal. 60-04520A
titano-, use in cement production. 60-04556A
- Hafnia.** See *Hafnium, oxide*.
Hafnium.
HfO₂, high-pressure phases. 60-03132A
thermal expansion. 60-02935A
carbide, stoichiometric, emissivity at high temps.
60-03080A
nitride, deposition by activated reactive evaporation.
60-01754A
- Halides.**
Ag, optical information storage media. 60-02446P
alkali, elastic constants, temp. dependence of. 60-03224A

- surface passivated in windows. 60-05003P
and oxides, melting-point relations. 60-05652A
- Hardening.**
accelerators, for cements, use of acid formates. 60-03387P
for Portland cement. 60-03388P; 60-03389P
of binders, hydraulic, at low temps. 60-03366A
of cement pastes, Portland, proton magnetic resonance
data on. 60-03377A
of cements, accelerating agents for. 60-03386P
in corrosive medium, effect of polymer additives on.
60-04528A
decorative slag Portland. 60-04558A
effect of plasticizing agents on crystallization
kinetics and structure formation. 60-04527A
controlled, of Portland cement. 60-04516A
glass sheets, apparatus and process. 60-01207P
hydration, of mineral binders, effect of Zn compounds on.
60-03351A
of refractory composition, for foundry cores and molds.
60-05169P
time, of cements, phosphogypsum as regulator. 60-04553A
- Hardness.**
of Y_2O_3 , black sintered bodies. 60-04401A
of crystals, NbB₆. 60-05620A
TiB₂, at high temps. 60-05621A
micro-, of Ge-Sb-Se glasses. 60-03468A
in KCl-KBr mixed crystals. 60-01877A
of Si_3N_4 . 60-05522A
of ZrO_2 - La_2O_3 solid solutions, effect of
nonstoichiometry and disorder on. 60-05606A
characterization of Si_3N_4 , by. 60-03041A
radiation, in CMOS circuits passivated with Si_3N_4 ,
degradation. 60-05361A
scratch and indentation, of crystals. 60-04418A
- Health.** See also *Dusts; Pollution, air; Safety; Silicosis.*
Pb, removal from pottery. 60-01487A; 60-01488A;
60-01489A
air pollution, measurements, present trends in interpretation.
60-00854A
asbestos, elimination from glass plants. 60-02242A
substitution of glass fibers for. 60-04468A
in ceramic industry, guide for educational workshops.
60-03279B
and ceramics. 60-03251A
fruits, nontoxic, for decorating glass, glass-ceramic,
and ceramic articles. 60-00359P
hazards, in the arts and crafts, proceedings of SOEH
Conference. 60-02034B
in research labs. 60-03256A
metal release, from tableware. 60-01482A
surface charge heterogeneity, in amphibole cleavage
fragments and asbestos fibers. 60-03211A
toxic material, apparatus for transferring. 60-04119P
toxicity, labeling requirements in enameling industry in
Gt. Britain. 60-02231A
toxicology, chemical. 60-01852A
- Heat.** See also *Conductivity, thermal; Enthalpy; Entropy; Temperature.*
-absorbing, optical glass. 60-04983P
absorption panel, ceramic. 60-02598P
capacity, of P-Se glasses. 60-04762A
of ZrO_2 . 60-04325A
of four silions. 60-02953A
of oxynitrides of Si and Ge. 60-03230A
of oxynitrides of Si and Ge—correction. 60-05724A
of synthetic garnets. 60-03124A
of vitreous SiO_2 , effect of. 60-01846A
conduction, of porous glasses. 60-04763A
consumption, in brick and tile industry, reduction of.
60-01319A
in burning of lime, theoretical limits. 60-02193A
in lime regenerative kilns. 60-02123A
in rotary lime kilns. 60-02124A
convective, transfer, stresses in cylinders with
square cross section under conditions of. 60-00846A
of decomposition, accuracy of spectroscopic determination.
60-05554A
spectroscopic estimation of. 60-05703A
deflectors, within EFG crucible. 60-05318P
exchangers, for Stirling engine. 60-04238P
ceramic, saves exhaust gas heat. 60-04172A
chemical reactivity in. 60-02511A
in float glass apparatus, support for. 60-02452P
fluidized bed. 60-04536A
refractory, method of making. 60-05173P
role in energy conservation in gas turbines. 60-02973A
rotary, fabrication from Mg Al silicate glass-ceramic.
60-01231P
use in conservation of energy. 60-02874A
flow, glass-to-metal, during glass container forming.
60-00173A; 60-04760A
of formation, of silions, mass spectrometric study—
correction. 60-04343A
of fusion, of CaSiO_3 . 60-02125A
of immersion, of alkali borate glasses in organic bases.
60-04765A
loss, through furnace walls, calculation. 60-05103A
pumps, use in heavy clay industry. 60-01324A
of reaction, in cement kilns, DTA determination. 60-02872A
recovery, from flue gases. 60-01312A
recuperator, optimization of number and diameter of tubes
in. 60-05463A
-retaining, refractory bricks, process for making.
60-03943P
- savings, design of refractories for. 60-00442A
specific, anomaly in crystalline UO_2 . 60-05388A
capacities of Cu borate glasses. 60-03673A
of pyrochlore compounds $\text{Y}_2\text{Mo}_2\text{O}_7$ and $\text{Y}_2\text{Ru}_2\text{O}_7$.
60-03201A
stability, of glass containers during sterilization of
foods. 60-04764A
storage, in molten alkali nitrates. 60-05370A
technology, for tunnel kilns used in mfg. refractories
and structural clay products. 60-05754B
tempering, grinding-induced, of ceramics containing ZrO_2 .
60-00798A
transfer, through glass and mold during glass-forming
process. 60-03545A; 60-03546A
through refractory-insulating systems. 60-02891A
in rotary cement kilns. 60-02126A
in spherical packing of high-temp. heaters, calculation.
60-01659A
to a stationary sphere in a plasma flame. 60-04213A
of transformation, of alpha- Ga_2O_3 to beta- Ga_2O_3 .
60-04342A
treatment, of Sn- and Ti-containing glasses, effect on
properties. 60-04723A
of TiO_2 substituted $\text{MgO-Al}_2\text{O}_3\text{-SiO}_2$, effect on leaching
characteristics. 60-01027A
of ZrO_2 , granular refractories, effect on properties.
60-00415A
of chrysotile asbestos fibers. 60-03933P
of electroluminescent ZnS films. 60-02644A
of fibrous mats, apparatus for. 60-03725P
of fine-grained cements, apparatus for. 60-00078P
of fine-grained cements, process and apparatus.
60-03413P; 60-03411P
of fine-grained cements, with hot gases. 60-00062P;
60-00063P
of glass sheets. 60-00381P
of lenses, support apparatus. 60-00305P
of low-melting enamels. 60-00969P
of pulverulent materials for calcining cement. 60-02211P
of quartz, effect on defect structure. 60-03069A
of rice husk ash. 60-00842A
of silica gel, changes in structure during. 60-05573A
of titanosilicate glasses, effect on thermal expansion.
60-04895A
waste, in cement industry, power generation from.
60-00041A
- Heaters.** See also *Thermoelectricity.*
SiC, electrical resistance. 60-02542P
electrode, for glassmelting furnaces. 60-00317P
high-temp., calculation of heat transfer in spherical
packing of. 60-01659A
radiant, gas fired. 60-04181P
for vacuum coating apparatus. 60-00549P
- Heating.**
of CeO_2 and W mixtures, effect of Ar and N mediums on.
60-05605A
behavior, of ancient glazes. 60-00891A
frictional, and oxidation theory of wear. 60-01900A
glass batch materials. 60-02399P
ir, in glass industry. 60-03559A
of lime, granular, blast furnace for. 60-02200P
microwave, improving susceptibility of materials to.
60-00669P
particulate materials, apparatus and method for. 60-03391P
plasma, formation of hexagonal Mo diboride by. 60-02950A
pre-, of metallurgical containers. 60-03937P
of vessels for handling molten metal. 60-03938P
radiating power, of nonisothermally heated cylindrical
cavities. 60-04313A
rate, effect on formation and properties of cement
clinkers. 60-04546A
tubes, glass, methods and apparatus for. 60-01278P
- Heating elements.** See also *Electrodes; Thermoelectricity.*
embedding material for, from silicate raw materials.
60-05206A
made of PTC ceramic material. 60-02739P
- Heavy clay products.** See *Structural clay products.*
- Helium.**
-He, interstitial, effect on heat capacity of vitreous
 SiO_2 . 60-01846A
in SiO_2 , fused, solubility and diffusion. 60-01162A
-tight tubesheet, for hollow fiber type batteries.
60-00550P
- Hematite.** See *Iron, -ic oxide.*
- Holograms.**
decay, in LiNbO_3 :Fe with time varying conductivity.
60-05626A
- Holography.**
triple-exposure, for materials tests. 60-02862A
- Homogeneity.**
effect on sintering. 60-03070A
of glass mixture, effect of humidity, temp., and surface
active agents on. 60-04717A
of glasses, Shelyubskii method of measuring. 60-04831A
- Honeycomb.**
ceramic, method and die for extruding. 60-04137P
composite, catalyst supported by. 60-02986P
refractory. 60-03923P
- Hot tops.** See *Refractories.*
- Humidity.** See also *Moisture; Water.*
effect, on dynamic fatigue of optical fibers. 60-03557A
- Hydrates.**
crystalline, $\text{Ca-H}_2\text{O}$ interactions in, geometry of.
60-05616A
- Hydration.**
of Ca silicates, role of hydroxyl ions. 60-04417A
activity, of Portland cement, possibility of increasing.
60-04555A
of cements, C_3A , effect of Na sulfonates on. 60-02134A
C/S with and without CaCl_2 , changes in zeta potential
during. 60-03343A
 $2\text{CaO-Fe}_2\text{O}_3$ and $4\text{CaO-Al}_2\text{O}_3\text{-Fe}_2\text{O}_3$, interaction
mechanism. 60-00032A
aluminous, in presence of calcareous and siliceous
aggregates, SEM study. 60-02087A
fly ash, as measured by NMR. 60-03365A
measurement by ultrasonics. 60-02148A
Portland. 60-02129A
Portland, at negative temps. 60-04540A
Portland, microstructure development during. 60-02152A
Portland, study. 60-00030A
Portland, thermal analysis. 60-00031A
supersulfated slag. 60-04541A
supersulfated slag, effect of lime on—correction.
60-00908A
of clinkers, Portland, combined effect of lignosulfonate
and carbonate on. 60-02084A
dehydration-rehydration, behavior of synthetic aluminosilicate
hydrogel. 60-01872A
of glasses, silicate, in steam. 60-00181A
of gypsum, beta-hemihydrate, effect of temp. and methyl
cellulose. 60-00025A
kinetics, during heat treatment of slag Portland cement.
60-03368A
of refractory aluminous cements, effect on concrete
properties. 60-00917A
of pastes, cement, determination of rate constants.
60-02100A
clinker, compressed expansive, characteristics. 60-00028A
lime-fly ash. 60-02128A
Portland cement and C/S, effect of liquefying agents.
60-02104A
products, of system $\text{CaO-Al}_2\text{O}_3\text{-SiO}_2\text{-SiO}_2$. 60-00918A
resistance, of sintered dolomite. 60-05627A
secondary, of cement minerals. 60-04565A
of silicates, tri- and β -dicalcium, effect of K sulfate.
60-02136A; 60-02137A; 60-02138A; 60-02139A;
60-02140A
of slags, blast furnace granulated, effects of composition.
60-04531A
in system C/S-pozzolana, mechanism of. 60-02150A
vapor-phase, of submicrometer CaO particles. 60-03244A
- Hydrocarbons.**
reforming catalysts. 60-01809P
 Al_2O_3 . 60-01835P
- Hydrocylones.** See *Separators.*
- Hydrogen.**
-F, environment, LaB₆ C composition for use in.
60-04241P
environment, advanced ceramic materials for. 60-04200A
at Si-SiO_2 interface, effect of, spectroscopic study.
60-03135A
in films, Si_3N_4 , determination, using proton-proton
scattering. 60-03172A
isotopes, in alpha- Al_2O_3 , ir spectra. 60-03109A
partition, in MCVD of glass fibers. 60-03634A
reaction, with hydroxyl-free vitreous SiO_2 . 60-03177A
reactivity, atomic, with graphite, synergistic effect of
electrons on. 60-05392A
solubility, in carbides and oxycarbides of Ta. 60-04424A
- Hydrolysis.**
of $\text{Si}(\text{OC}_2\text{H}_5)_4$, with NH_4OH and HCl solution, formation
of glass by. 60-00168A
of cements, $2\text{CaO-Fe}_2\text{O}_3$ and $4\text{CaO-Al}_2\text{O}_3\text{-Fe}_2\text{O}_3$, interaction
mechanism. 60-00032A
- Hydroxyl.**
nacrile, developing 14 Å phase during dehydroxylation.
60-03131A
- Illite.** See *Clays.*
- Immiscibility.**
liquid, in complex borosilicate glasses. 60-01082A
metastable, in phosphate-silicate systems. 60-00214A;
60-00215A
in system $\text{B}_2\text{O}_3\text{-BaO}$, region of. 60-04848A
in system $\text{K}_2\text{O-FeO-Al}_2\text{O}_3\text{-SiO}_2\text{-P}_2\text{O}_5$, effect of
pressure on. 60-01884A
in system $\text{Na}_2\text{O-ZnO-B}_2\text{O}_3\text{-SiO}_2$. 60-03589A
in system $\text{ZrO}_2\text{-SiO}_2$. 60-00812A
liquid-liquid, in $\text{BaO-B}_2\text{O}_3$. 60-03590A
in multicomponent glasses. 60-00200A
between sulfate and oxide melts, in cement clinkering.
60-03383A
- Impact.**
behavior, of Synroc. 60-04485A
damage, on annealed and tempered flat glass. 60-00182A
particle, in Si_3N_4 . 60-04379A
models, elastic-plastic, correlation of erosion data with.
60-03050A
oblique, anomaly in liquid impact on glass. 60-00230A
-resisting composite. 60-04240P
spherical particle, damage in MgO , effect of approach
direction. 60-01880A
strength, of Si_3N_4 , method for increasing. 60-03005P
tests, Pfefferkorn, analysis. 60-02828A; 60-05421A
- Impregnation.**
of bricks, with thermosetting resins. 60-05010A
gas phase, with SiC. 60-04422A

- of refractories, plates used in gate valves. 60-00424A
- Impurities.**
- C and O, in Si, low-temp. evaluation. 60-02668A
- Fe, in region of uv absorption of quartz glasses. 60-00195A
- in MgO, effect on reproducibility of thermoluminescence. 60-04316A
- Ti, YAG garnet crystals with, growth conditions. 60-01904A
- in ZrC powders and Al oxides, effect on viscosity of vitreous SiO₂. 60-04689A
- of alkali metal and Al oxides, effect on viscosity of vitreous SiO₂. 60-04689A
- in clays, removal. 60-02929P
- in glasses, semiconductor, electron states of. 60-04737A
- inclusions, in Fe deoxidized by Al, effect of crucible materials on composition. 60-00416A
- in overglazes, saturated, effect on color. 60-04625A
- radioactive, of baddeleyite, process for separation. 60-04196P
- states, in disordered insulators. 60-03104A
- transitions, in photoluminescence spectra of SnO₂. 60-01910A
- Indentation.**
- Vickers, evaluation of fracture toughness of phase-separated glasses. 60-00292A
- elastic-plastic, threshold microfracture during. 60-04458A
- hardness, of crystals. 60-04418A
- pyramidal, in Na₂O-CaO glass, shear deformation under. 60-00266A
- static, in ZnS, size relations for. 60-03122A
- tests, for measuring fracture toughness, critical evaluation. 60-05579A; 60-05580A
- Index of refraction.** See *Refractive index.*
- Indium.**
- In₂O₃, and Sn-doped In₂O₃, films, preparation by reactive evaporation. 60-02688A
- Sn-doped films, preparation by magnetron sputtering. 60-02689A
- films, determination of work function from photoemission. 60-02722A
- transparent conductive films, prepared by thermal evaporation. 60-02650A
- InGaAsP/InP, mechanically damaged diode, TEM study. 60-00524A
- InP, field-effect transistors, improved oxide insulator for. 60-05277A
- laser-induced microscopic etching of. 60-02664A
- thermal oxidation. 60-05298A
- InSb, low-temp. reactive formation of Si₃N₄ layers. 60-01545A
- InVO₃, structure. 60-05707A
- Sn oxide, films, effect of ambient atm on annealing. 60-02625A
- Sn oxide/Si, solar cells. 60-02630A
- chemistry. 60-03264B
- oxide/InP, sputtered junctions. 60-02710A
- Infrared.**
- absorption, in Se-Ge glasses. 60-03505A
- heating, in glass industry. 60-03559A
- materials, optical, potential of Ge-As-Se-Te glasses as. 60-03640A
- reflectivity spectra, of SbSBr glass. 60-03560A
- spectra, of kaolin minerals in OH region. 60-05631A; 60-05632A; 60-05633A
- of spinel-hercynite series. 60-05642A
- of spinels FeSiO₃ and CoSiO₃. 60-05630A
- spectroscopy, of rice husk ash. 60-00833A
- of vibrational states in oxide crystals. 60-00801A
- transmission, at He-Ne laser wavelength in liquid-core quartz fibers. 60-04021A
- transmitting glass. 60-03561A
- transparent materials, chalcogenide glasses as. 60-03443A
- spectroscopic small loss measurements on. 60-01163A
- windows, surface passivated alkali halide. 60-05003P
- Infrared techniques.** See *Absorption; Radiation; Spectra.*
- Inhibitors.**
- alkaline earth ion, effect on alkaline attack on SiO₂ glass. 60-01022A
- Inhomogeneity.** See *Heterogeneity.*
- Inspection.** See *Quality control.*
- Instability.** See *Stability.*
- Instrumentation.** See also *Controls.*
- microprocessors, use in energy management. 60-01693A
- pneumatic or electronic. 60-01677A
- Instruments.** See also specific types.
- acoustic wave device, piezoelectric substrate having ZnO layer on α -Al₂O₃ layer. 60-01633P
- for analysis, of materials. 60-05755B
- beam splitter, variable birefringent. 60-04163A
- calculator, electronic, for determining thermal conductivity. 60-04161A
- for concurrent electrical conductivity-DTA measurements. 60-00630A
- control systems, use in cutting pumping costs. 60-04130A
- for determining sphericity factor, for particles. 60-02855A
- dosimeters, thermoluminescence, for personal monitoring. 60-05439A; 60-05440A
- gauge, for measuring thickness of refractory linings. 60-05161P
- for measuring fiber size. 60-04165P
- for measuring softening temp., of glasses. 60-03759P
- for measuring temps., in molten metals. 60-02865P
- for measuring thickness, of films and coatings. 60-01686P
- moisture tester, for scanning ceramic surfaces. 60-05434A
- photometric device, for determination of N oxide by resonance absorption. 60-05436A
- refractometer, recording, for optical glasses. 60-03551A
- scintillators, ceramic-like. 60-01581P
- crystals for. 60-05308P
- glass, for pulsed neutron diffraction. 60-00172A
- tensiometer, developed at CCRRI, porous cup for. 60-05228A
- thermocouple, grounded, preventing noise in measurements. 60-04154A
- Insulation, electrical.** See also *Dielectrics; Glass; Porcelain.*
- ceramic, improvements in production procedures. 60-05210A
- Insulation, thermal.** See also *Fibers, glass; Mineral wool; Refractories.*
- coating, degradation under thermal cycling—correction. 60-05507A
- composite article with. 60-04268P
- concrete, lightweight. 60-03395P
- design of. 60-02892A; 60-02893A; 60-02894A
- fiber glass, relation of heat transfer to optical properties. 60-00254A
- fibers, high-Al₂O₃. 60-04040A
- heat transfer through. 60-02891A
- hot topping, refractory. 60-00460P
- mica, Indian, setup for measuring heat conductivity. 60-05448A
- panels, coloring blast furnace slag for use in. 60-01336A
- for pipe. 60-02400P
- plates, glass, device for making. 60-02380P
- refractory. 60-00423A; 60-01357A; 60-01421P; 60-01461P; 60-03948P
- Ca-silicate-bonded-asbestos. 60-01334A
- containing SiO₂, aerogel and Al₂O₃. 60-00476P
- controlled-pore SiO₂, structure, method of making. 60-00353P
- cuts energy costs. 60-05113A
- effect of fiber diameter on thermal conductivity. 60-03884A
- effect of microstructure on thermal conductivity. 60-03892A
- fibrous composite, developments. 60-00408A
- fibrous slabs for furnaces. 60-02574P
- for glass tanks. 60-03672A
- physical properties. 60-01381A
- porous. 60-01445P
- process for making. 60-03941P
- produced from local raw materials. 60-03900A
- production and use. 60-05104A
- skid pipe elements. 60-05182P
- slab, made of insulating fibers. 60-02549P
- structure, for kiln rollers and elements. 60-00666P
- thermal expansion in. 60-00839A
- tiles, refractory, repair. 60-00445A
- Insulators, electrical.**
- based on AlN and Y₂O₃. 60-02636A
- disordered, impurity states. 60-03104A
- expansion in, thermal, empirical determination. 60-00790A
- high tension, effect of surface defects on strength. 60-05202A
- molding compositions for, asbestos-free. 60-03919P
- oxide, anodic, for InP field-effect transistors. 60-05277A
- thermal shock resistant. 60-01635P
- Interfaces.**
- Si-SiO₂, X-ray spectra characterization. 60-03191A
- improved characterization. 60-03103A
- spectroscopy of H effect. 60-03135A
- state density, determination. 60-04003A
- Si-sapphire, method for evaluating electronic properties. 60-02856A
- Si/SiO₂, calculation of Auger line. 60-05570A
- method for determining stress. 60-02857A
- SiO₂/GaAs, sputter-deposited, Auger study. 60-05279A
- (U₁,Y_{1-x})O_{2-x}/YSZ. 60-05734A
- in glass-metal seals, Auger spectroscopic study. 60-04049A
- between liquid and solid phases. 60-00821A
- solid/liquid, of glass, surface conductivity at. 60-01178A
- Interferometry.**
- improved, using spectrograph and time scan. 60-04150A
- Iodides.**
- rare earth, interactions with iodides of alkali metals. 60-03111A
- Ions.** See also specific types.
- Ag⁺ and Cu⁺, diffusing into Na₂O-CaO glass, optical and EPR studies of redox interaction layers. 60-04815A
- Cr, in Na silicate glasses, under various O pressures, state of. 60-01165A
- state in silicate glasses. 60-02337A
- Cu²⁺, in TiO₂, EPR of. 60-05597A
- Fe, in MgO crystals, exchange energies of. 60-00792A
- in Pb borate glasses, Moessbauer study. 60-04806A
- structural state in glasses of system CaO-Al₂O₃-SiO₂. 60-02340A
- H₂⁺ and He⁺, surface damage in SiC due to bombardment. 60-05713A
- Li, in LiF-Li₂O-Al(PO₃)₃, glasses, transport number. 60-01190A
- conduction in rapidly quenched Li₂O-Al₂O₃, Li₂O-Ga₂O₃, and Li₂O-Bi₂O₃ glasses. 60-02303A
- Li⁺, fast conduction in chloroborate glasses. 60-01041A
- M (M = Mg, Ca, Ba), effect on KCl flux growth of WO₃ needle crystals. 60-04314A
- Na and K, in two glasses 0.13(Na₂O + K₂O)-0.87SiO₂, transport number and mobility. 60-04900A
- Na⁺, -conducting glass, glass-ceramics, and crystalline composition. 60-00358P
- Ni, distribution in phase-separated F-containing glasses. 60-01017A
- in vitreous silicates, ESCA analysis. 60-03433A
- PO₄³⁻ and PO₄²⁻, in Li₂O-(Nd₂O₃)_x-(La₂O₃)_y-P₂O₅ glasses. 60-03636A
- V²⁺, in YAG, EPR spectra. 60-05598A
- alkali, in spectroscopy of surfaces of glasses containing. 60-01064A
- alkali-Cu, strengthening glass by exchange. 60-01169A
- alkaline, in glass, temp. dependence of interdiffusion coeffs. 60-01183A
- alkaline earth, effect as inhibitor to alkaline attack on SiO₂ glass. 60-01022A
- anions, distributions in silicate glasses, importance in glass formation. 60-03434A
- double chain, synthesis of anhydrous silicates containing. 60-03214A
- beam methods, preparation of hard coatings by. 60-01774A
- bombardment, of Group IV metal and synthetic nitride films. 60-01759A
- carbonate, adsorption by hexagonal BaTiO₃. 60-04364A
- cation-exchange, in Pyrex glass. 60-00985A
- cations, alkali metal, effect on changes in SiO₂ gel pore structure. 60-04305A
- distribution in Fe aluminate spinels. 60-03039A
- distribution in magnetite, thermopower measurement. 60-05299A
- effect on interactions and particle release from bentonite gels. 60-00609A
- polarizability, effect on photoelasticity of glasses. 60-00138A
- univalent, ion exchange of Na₂O-CaO glass with. 60-03567A
- cluster-beam deposition, new developments. 60-01549A
- energetic, use for analysis of coatings and films. 60-01658A
- exchange, K/Na, pressure dependence of interdiffusion coeff. 60-05679A
- in clay sludges. 60-00808A
- effects on Young's modulus of glass. 60-01029A
- between glassmelts of system Na₂O-Rb₂O-SiO₂. 60-01069A
- fast transport, in oxide glasses. 60-01042A
- fluoride, behavior in system Ca₃(PO₄)₂-H₂O-F⁻. 60-05558A
- in glasses, alkali silicate, interactions with framework sections and relaxation. 60-01070A
- hydroxyl, effect on properties of Na₂O-CaO-SiO₂ glasses. 60-00140A
- role in hydration of Ca silicates. 60-04417A
- interdiffusion, in surface layers of Na aluminosilicate glasses. 60-00992A
- metal, in molten glasses, diffusion and redox behavior. 60-00149A
- rare-earth, deactivation, relation to vibration spectra of glasses. 60-04904A
- redox, in glasses, properties. 60-01140A
- secondary, characteristics of PbO-SiO₂ glasses sputtered by Ar ion. 60-01153A
- Iridium.**
- IrO₃, conduction-electron screening in. 60-04285A
- oxide, displays, temp. dependence of electrochromic processes. 60-05295A
- electrochromic devices based on. 60-04066P
- Iron.** See also *Enameling metals; Steels.*
- 59, diffusion in Ge₂Se₇. 60-03474A
- Fe³⁺, in Ti site of MgTiO₃, ESR study. 60-01879A
- in metaphosphate glasses, luminescence of. 60-02306A
- Fe₂O₃, acicular powders, sintering. 60-04421A
- dc reactively sputtered films, mechanical stresses in. 60-04030A
- gamma-, magnetic powders based on, process for making. 60-00598P
- Fe₂TiO₅, crystals, magnetization and Moessbauer spectra study. 60-04226A
- Fe₂BO₃, Faraday rotation and birefringence in. 60-03083A
- Fe/MgO, ESR line broadening of Fe²⁺ in Fe/MgO. 60-01878A
- FeAl₂O₄, free energy of formation. 60-05615A
- (II), in Na borosilicate glasses, near ir optical absorption of. 60-03617A
- in Si₃N₄, reaction-sintered, effect of, electron microscopy study. 60-04323A
- cast, use of Si₃N₄-Y₂O₃-SiO₂ for machining. 60-00755P
- compacts, sintered, effect of lubricants on mechanical properties. 60-04215A
- deoxidized by Al, effect of crucible materials on composition of inclusions. 60-00416A
- direct reduced, melting in UHP arc furnace. 60-00428A
- ferric, in silicate glasses, optical absorption due to. 60-00231A
- ferric thiocyanate color, stabilization and sensitization. 60-05449A
- ferrous, in Ca Al borosilicate glass, spectral study at room and melt temp. 60-00271A
- gamma-FeOOH, in aqueous suspensions, thermal stability. 60-02322A
- in glasses, alkaline earth aluminosilicate, optical and EPR absorption. 60-00232A
- silicate, oxidation-reduction equilibria. 60-00236A

- ions, structural state in glasses of system $\text{CaO-Al}_2\text{O}_3\text{-SiO}_2$. 60-02340A
- oxide, films, for semitransparent photomasks. 60-01517A; 60-01518A
- high-temp. reactions with C_2A , Moessbauer study. 60-00922A
- red pigment, production. 60-01726P
- transformations in fired clays, effect of Ca content on, Moessbauer study. 60-04372A
- powder, compacts, effect of Zn stearate on properties. 60-04208A
- in refractory materials, photometric determination using o-phenanthroline. 60-05101A
- self-diffusion, in silicate glasses. 60-03572A
- separation from U, method. 60-02813P
- sheets, preparation for enameling, automatic control of pretreatment baths. 60-00086A
- valence states, in $\text{B}_2\text{O}_3\text{-PbO-GeO}_2$ glasses. 60-04784A
- Irradiation.** See *Radiation and specific types.*
- Isotopes.** See also *Radioactive tracers.*
- mixed effect, in Li borate glasses. 60-03610A
- radioactive, use in preparing mixtures for refractory bricks. 60-01411A
- Jewelry.** See *Ari and artware.*
- Joining.**
- SiC, self-bonded, by Ge. 60-01761A
- SiC to SiC, with polyborosiloxane. 60-01760A
- ceramic-metal, Nb coatings for. 60-00588P
- ceramics, application to O sensor mfg. 60-03330P
- composites, design guidelines. 60-02943A
- glass objects, methods of. 60-03788P
- Joints.** See also *Seals and sealing.*
- ceramic-to-metal, solid-state bonded, preparation and testing. 60-04037A
- glass, interchangeable. 60-03563A
- glass-to-glass, calculating stresses in. 60-01094A
- Junctions.**
- PN, in Si solar cells, formation. 60-02733P
- ZnO-grain-boundary-ZnO, in varistors, semiconducting properties. 60-02702A
- hetero-, PbS-Si. 60-02681A
- SnO_2 -Si, electrical and photovoltaic properties. 60-01526A
- metal/tunnel-oxide/Si, processing dependence. 60-02691A
- oxide/InP, and InP surfaces. 60-02710A
- Kaolin.**
- beneficiation. 60-05471A; 60-05472A
- clays, uses. 60-00717A
- deformation parameters, normalized. 60-01935A
- normalized—discussion. 60-01876A
- deformed, microfabric of. 60-01766A
- dispersions, electrolytes as thinners for. 60-05730A
- filtration properties. 60-05207A
- formation of mullite in, ir spectroscopic study. 60-05643A
- limestone mixtures, vitrification process. 60-05736A; 60-05737A
- minerals, in OH region, ir spectra. 60-05631A; 60-05632A; 60-05633A
- new discoveries of. 60-05480A
- pelletized, process for producing. 60-02922P
- processing. 60-02917P
- use of "Drimax" in dewatering SiO_2 tailings. 60-00677A
- processing developments. 60-01713A
- as raw material, for mfg. fine ceramics. 60-05481A
- refractories, Vladimir arenaceous, properties. 60-00417A
- production at Belokamenok grog plant. 60-00435A
- with specific density, production. 60-00398A
- rich in muscovite, milling of. 60-05413A
- sintering, phase variations during. 60-05221A
- suspensions, in water and water-glycerol mixtures, rheology. 60-01492A
- transition, oriented thermal, study using goniometer. 60-05640A; 60-05641A
- zeolite A from, process for making. 60-05546P
- Kaolinite.** See also *Kaolin.*
- Glukhovskii, adsorption of binary mixtures of polar and nonpolar substances. 60-04272A
- interference, in XRD determination of chrysotile asbestos. 60-04359A
- montmorillonite, body, phases formed during sintering. 60-04402A
- rare earth complexes, relaxation time and molar free energy of activation. 60-00826A
- Keramzit.**
- method of producing. 60-00064P
- Kieselguhr.** See *Diatomite.*
- Kiln furniture.**
- SiC, recrystallized, for energy reduction and quality improvement. 60-05078A
- cartop, refractories, shock resistant. 60-01402A
- design, for whiteware industry. 60-01480A
- rollers, insulation structure for. 60-00666P
- sled, for fast-firing dinnerware. 60-01695A
- Kilns.** See also *Burners; Furnaces; Ovens.*
- 60-02901P
- Hoffmann, energy recovery. 60-05460A
- adaptable. 60-00650A
- calcining, rotary hearth for. 60-00672P
- cars, unloading machine for. 60-01322A
- cement, heat of reaction, DTA determination. 60-02872A
- ceramic, comparison of traditional and fast firing. 60-02896A
- clay pipe, fiber lining for conserving energy. 60-02877A
- climbing, three-chambered. 60-00017A
- coal fired, constructor's point of view. 60-02868A
- concepts for. 60-00654A
- control, thermograph system. 60-01703A
- control systems, to improve products. 60-00649A; 60-02840A
- counterflow. 60-01307A
- design, effect of fuel savings. 60-01692A
- fan engineering. 60-01694A
- using mathematical modeling by computer. 60-02878A
- downdraft, tuning. 60-00901A
- dual-fuel, conversion to direct firing. 60-01690A
- emissions, Pb-F cleaner system. 60-02889A
- energy conservation. 60-05458A
- energy waste in. 60-00648A
- fast firing, for artware. 60-00886A
- for dinnerware. 60-02591A
- fiber. 60-00016A
- firing, with waste tires. 60-03403P
- fuel delivery system for. 60-01708P
- gas-fired, at Fuel Institute, Freiberg, East Ger., thermal and mechanical optimization of. 60-05466A
- heating, comparison of radiant and convective. 60-02869A
- intermittent, modern developments in. 60-01699A
- linings. 60-05165P
- fiber, to reduce energy loss. 60-05461A; 60-05462A
- loading, passive, optimum design saves fuel. 60-02881A
- model study of. 60-00652A
- with overlying beds. 60-00667P
- for perlite expansion, evaluation. 60-03875A
- with planetary coolers, experience with refractory linings of outlet zones. 60-02112A
- ports, at Yorkshire Brick plant. 60-00392A
- recuperators, optimization of number and diameter of tubes. 60-05463A
- redesign, for fuel economy. 60-04178A
- regenerative, for combustion of lime, heat consumption. 60-02123A
- roller hearth, for vitrified tile. 60-01701A
- rotary. 60-02907P
- burners for solid and mixed fuels. 60-02886A
- burning zone lengths and nozzle diameters. 60-02077A
- in cement industry, emissions from use of materials containing Ti. 60-02106A
- cement, conversion to cement calcining furnace. 60-03405P
- cement, heat transfer. 60-02126A
- cylindrical, with satellite cooling tubes. 60-00056P
- dolomite, magnesite, and clay, coolers for. 60-02185A; 60-02890A
- dry-process, for cement, increasing output. 60-02131A
- for heating aggregates. 60-02898P
- for lime, heat consumption. 60-02124A
- lime, waste-heat boiler. 60-04581A
- process for calcining limestone. 60-03412P
- with satellite cooler with improved support. 60-00074P
- usefulness and limits of controls. 60-04579A
- warped, method of straightening. 60-02159A
- schedules, development by thermal resistance calculation. 60-05456A
- shaft, for combustion of lime, heat consumption. 60-02122A
- shell deformation, effect of tyre clearance and ovality. 60-02105A
- support apparatus. 60-05469P
- temp. control, with microprocessor programmer. 60-01673A
- tunnel. 60-02908P
- at Tata III brick factory, production-increasing addition to. 60-03821A
- for bricks, energy reclamation in. 60-02875A
- conversion to coal. 60-02871A
- design for fast-firing curve. 60-05455A
- design for saving fuel. 60-05468A
- effect of fuel mixing on combustion. 60-05457A
- energy-saving programs in. 60-04176A
- for fine ceramics, energy process parameters. 60-05459A
- for firing bricks containing combustibles. 60-02475A
- flue pressure control. 60-01707P
- improvements. 60-00658A
- prefabricated, method of constructing. 60-00653A
- prefabrication. 60-01700A
- process for displacing firing plates through. 60-02904P
- recirculation system. 60-01710P
- for refractories and structural clay products, heat technology. 60-05754B
- self-igniting high-speed burners for. 60-02888A
- top firing, economics of, and convertibility to coal. 60-05467A
- top firing, with burner having ceramic air nozzle. 60-01709P
- whiteware, fast-firing, feeding of, and storage of green and fired material. 60-02585A
- woodburning, new design. 60-00015A
- Kinetics.**
- of Sn diffusion, in glass. 60-00196A
- chlorination, of ZrO_2 in rf plasma tail flame. 60-02942A
- of clustering reactions, in Fe-doped MgO. 60-04361A
- of crystal growth, in $\text{M}_2\text{O-2SiO}_2$ glasses ($\text{M} = \text{Li, Na, K}$). 60-01075A
- of crystal nucleation, in Li disilicate glass. 60-03574A
- crystallization, of $\text{Li}_2\text{O-SiO}_2$ glasses, X-ray scattering study. 60-04696A
- of SiC. 60-05645A
- of roller quenched LiNbO_3 glasses, measured by Cr^{3+} luminescence. 60-04697A
- darkening, of photochromic glass at high excitation levels. 60-01006A
- dehydration, of boehmites. 60-04363A
- of synthetic zeolites in alkali metal forms. 60-05514A
- densification, of PLZT during hot-pressing. 60-05280A
- dissolution and crystallization, in beta-podumene glass-ceramics. 60-03575A
- electro-, potential of clay suspensions, effect of peptizing agents. 60-05201A
- formation, of colloidal particles of magnetite (ferrihydrite). 60-04025A
- of ferrosil from mixture of Fe_2O_3 and NiO . 60-05644A
- of high- Al_2O_3 cement phases. 60-00915A
- of mullite in presence of Cr_2O_3 . 60-04362A
- hydration, of slag portland cement during heat treatment. 60-03368A
- ion-exchange and interdiffusion, in silicoaluminate glasses. 60-00197A
- oxidation, of hot-pressed and sintered alpha-SiC. 60-04377A
- patterns, in liquid-phase sintering of ceramics. 60-04360A
- of reactions and wetting, of Fe-Na disilicate. 60-04788A
- solid state reaction, using results obtained on $\text{ZnO-Al}_2\text{O}_3$ system. 60-04280A
- Ladies.** See *Refractories.*
- Laminates.**
- ceramic-metal. 60-02988P
- glass, panel for land vehicles. 60-00324P
- solar cell sealed by. 60-00377P
- glass-polycarbonate. 60-01808P
- multilayered, method of making. 60-02771P
- thermoplastic, glass fiber reinforced. 60-02441P
- vermiculite, compositions. 60-05529P
- whiteware. 60-02599P
- Lamps.** See also *Glass; Glassmaking equipment.*
- Na vapor, color high-pressure. 60-01224P
- electric, cermet for. 60-01586P
- production of glass bulbs for. 60-03530A
- fluorescent, containing Sr-Ca fluorapatite phosphors. 60-03814P
- headlights, auto, laser cutting system for. 60-03579A
- incandescent, seal for. 60-02402P
- sealed beam, of borosilicate glass. 60-02443P
- vapor, high pressure metal, transparent Al_2O_3 tube for. 60-03757P
- Lanthanoids.** See *Rare earths.*
- Lanthanum.**
- $\text{La}_{0.8}\text{Sr}_{0.2}\text{CrO}_3$ structure, use as substitute for Pt-Rh wire. 60-05293A
- $\text{La}_2\text{Si}_2\text{O}_7$, crystals, floating zone growth of. 60-00828A
- LaB_6 , C composition, for use in H-F environment. 60-04241P
- crystals, thermionic emitters, surface analysis. 60-01990A
- synthesis from BN and La citrate hydrate. 60-05715A
- LaCO_3 , spectroscopic study. 60-03243A
- LaCrO_3 , paramagnetic, short-range-order behavior in. 60-02704A
- LaSi_3N_8 , crystallographic study. 60-01869A
- chloride, reaction with Na silicates in aqueous solution. 60-04843A
- solubility, in Sr titanate. 60-04425A
- titanate. 60-03045A
- Lasers.** See also *Masers.*
- Co^{2+} , splicing optical fibers by. 60-03786P
- $\text{Ga}_{0.5}\text{Al}_{0.5}\text{GaAs}$, grown by CVD, preparation and properties. 60-01132A
- (GaAl)As, effect of sputtered- SiO_2 films on suppression of output. 60-02272A
- He-Ne, in C_2Cl_4 -filled quartz fiber, optical transmission loss. 60-04021A
- (In,Ga)(As,P), microless tipped fiber for coupling improvement. 60-02311A
- MgO:Ni^{2+} , optical parameters. 60-02677A
- Nd fusion, glass for. 60-01052A
- Nd:glass, for fusion experiments, choice of. 60-03450A
- alexandrite, high-gain performance. 60-02646A
- tunable cw. 60-02719A
- annealing, under oxide layers in Si. 60-02662A
- cutting, of ceramic tubing. 60-02823P
- in production of auto headlights. 60-03579A
- damage, in multilayers, electric field distribution and reduction. 60-00504A
- decoration of glass by. 60-00199A
- diode, method for making. 60-01608P
- stabilization by facet reflectors. 60-04026A
- fusion, reactively-sputtered oxide optical coatings for. 60-01557A
- glass, LG182 and BK7, used for nuclear fusion in Shiva Nova experiment. 60-03580A
- Nd-doped, piezoelectric coeffs. 60-00242A
- with low refractive index. 60-00331P
- phosphate base. 60-02434P
- phosphate compositions. 60-02404P
- rf melting of. 60-01143A
- glass disk, edge-cladding glass of. 60-00314P
- heterostructure, GaAs-AlGaAs strip-buried. 60-04015A
- high power, graded-index antireflection surfaces for. 60-02294A
- induced, breakdown in SiO_2 . 60-02302A
- damage to glass and stainless steel targets. 60-03581A

- failure in antireflection-coated crystals. 60-03603A
isolated by O and SiO₂ isolated stripe, comparison
between. 60-02253A
- for making openings or shapings in substrates. 60-01624P
material research, in China. 60-03582A
mirror, graphite-glass composite. 60-03755P
-resistant, composite. 60-04242P
scan, with programmable VO₂ mirror. 60-03997A
trimming, thin-film microcircuits adapted for. 60-00605P
- Lattice.** See *Crystals*.
- Leaching.**
of Al, from sintered CaO-SiO₂-Al₂O₃-Fe₂O₃. 60-02145A
of U, clay stabilization in. 60-05489P
-in-situ, process for. 60-04195P
acid, self-accelerated, of silicate glasses. 60-04677A
ferric, of U values from lignite. 60-05397P
of glasses, TiO₂ substituted MgO-Al₂O₃-SiO₂, effect of
heat treatment. 60-01027A
alkali silicate. 60-03584A
effect of gamma radiation. 60-02270A
and glass-ceramics, by HCl. 60-01078A
photon spectrometry studies. 60-00171A
rhyolite. 60-03583A
- Lead.** See also *Glass; Glazes; Health*.
PLZT, anomalous grain growth in. 60-02607A
domain switching in, variations of strain and light
scattering. 60-05302A
doped with Mn, Fe, and Al, defect structure. 60-04000A
kinetics of densification during hot-pressing. 60-05280A
model for improvements of photoferroelectric imaging in.
60-05283A
photoconductivity enhancement by H- and He-ion
implantation. 60-02685A
PZT, Ag-electroded piezoelectric, effect of neutron
irradiation. 60-05365A
with V₂O₅ additive, low-temp. densification. 60-05282A
changes in dielectric constant in transition region.
60-05572A
doped, internal bias field effects in. 60-02659A
effect of processing on microstructure and properties.
60-02627A
and epoxy composites, for hydrostatic transducers.
60-01512A
fibers, continuous poling technique for. 60-01513A
films, deposition by ion beam sputtering. 60-04002A
fracture and deformation. 60-04013A
hot isostatic pressing of. 60-01536A
with ladder-type structure, preparation and properties.
60-04036A
and polymers, composite system, piezoelectric properties.
60-01553A
and polymers, composite, piezoelectric properties—
correction. 60-05287A
solid solution, sintering in presence of MnO₂ and Cr₂O₃.
60-04041A
solid solutions based on, composition, structure, and
electrophysical properties. 60-05664A
solid solutions, reaction mechanisms in formation.
60-04047A
- Pb²⁺, release from Pb-ceramic glazes, diffusive
model. 60-03958A
- Pb_{1-x}Sn_xTe, crystals, method of growing. 60-02768P
Pb_{1-x}Nb_xVO₄, X-ray structural study. 60-02014A
Pb_{1-x}Ta_xMnO₃, reactions in formation. 60-04412A
Pb_{1-x}Rh_xO₃, structure. 60-04433A
Pb_{1-x}(SiO₂)_x(VO₄)_{1-x}, crystals, growth and elastic properties.
60-00799A
- Pb(Fe_{1-x}Nb_x)O₃-Pb(Mg_{1-x}Nb_x)O₃, high dielectric
constant type composition. 60-00552P
Pb(Fe_{1-x}Nb_x)O₃-Pb(Mg_{1-x}Ta_x)O₃, high dielectric
constant type composition. 60-00553P
Pb(Mg_{1-x}Nb_x)O₃, electrostrictive coeffs. 60-02637A
Pb(Zr_{1-x}Ti_x)O₃, TEM study. 60-05300A
Pb(Zr_{1-x}Ti_x)O₃, sintering at low temp. 60-01560A
PbNb₂O₇, grain-oriented. 60-04337A
PbO, photoconductive, phase transformations. 60-01556A
4PbO-GeO₂, new antiferroelectric. 60-01933A
PbS-Si, heterojunction. 60-02681A
PbSe₂, Te_{1-x}Se_xO₃, solid solutions based on. 60-04423A
PbTiO₃, amorphous, crystallization process from.
60-00501A
amorphous, dielectric constant. 60-03060A
anomalous dielectric properties caused by point defects.
60-05260A
tuning fork resonator using. 60-05301A
Sr zirconate titanate hydrophobic, and undoped PZT, effect
of one-dimensional stress. 60-04007A
bismuthate, glasses. 60-03585A
compounds, of S, Se, and Te, use as dopants. 60-01639P
dust-free source, use of granular material in glass
production. 60-04790A
-free, glazes for Al₂O₃ bodies. 60-03989P
frits, in glass industry. 60-03586A
problems with, in Mexican pottery. 60-03970A
in enameling industry. 60-00957A
release from glazes, in contact with acetic acid and foods,
under influence of light. 60-05217A
removal, from pottery. 60-01487A; 60-01488A; 60-01489A
titanate zirconate-based pyroelectrics. 60-02665A
zirconate, with additions of Ti and Ge, ferroelectric-
antiferroelectric transition in. 60-01899A
- Lehrs.** See *Glassmaking equipment*.
- Lenses.** See *Glass, optical*.
- Lepidolite.** See *Mica*.
- Leucite.**
ores, process for exploitation. 60-04189A
- Light.**
breakdown threshold, in high-purity hydroxyl-free quartz
glass. 60-04674A
pulses, repeated, surface breakdown of glasses exposed to.
60-04773A
scattering, from fibers. 60-01081A
from phase-separated glasses, structural origin.
60-04876A
-transmitting body, step-type, with excellent water
resistance. 60-03811P
uv, properties of two SiO₂-based low-expansion
materials. 60-02277A
white, image processing with LiNbO₃. 60-00299A
- Lime.** See also *Calcium, oxide; Glass*.
1500 ton/day plant for Sidor steelworks at Matanzas,
Venezuela. 60-02069A
CaO-SiO₂-NaOH-H₂O, examination at hydrothermal
pressure-free conditions. 60-04534A
burning, with Smith-Parsons system. 60-00033A
evaluation of regenerative shaft furnaces for. 60-00912A
limits of heat consumption. 60-02193A
chemistry and technology. 60-03263B
dolomite, hydrated, for silicate bricks, process of
obtaining. 60-00948P
effect on hydration, of supersulfated slag cement—
correction. 60-00908A
-fly ash paste, hydration at high temp. 60-02128A
granular, blast furnace for heating. 60-02200P
and gypsum, in small plaster samples, DSC-computer
determination. 60-00631A
hydrated, process for calcining in rotary kiln. 60-00070P
industry, in Europe, impact of environmental protection
legislation. 60-00027A
heat consumption in regenerative kilns. 60-02123A
heat consumption of rotary kilns. 60-02124A
heat consumption of shaft kilns. 60-02122A
overland belt conveyor. 60-02155A
quarrying and material preparation. 60-02178A
screw conveyor for sludge. 60-02221P
waste-heat boiler for rotary kiln. 60-04581A
or limestone and Graham's salt or M₂P₂O₇,
product made of. 60-00950P
quarries, blasting vibrations, effects of. 60-02073A
reaction with magnesite-chromite refractories, mineral
formation by. 60-05096A
reactivity, of portland-pozzolanic cements. 60-00920A
slaking, apparatus for. 60-03396P
-soda, sinter process for recovery of Al₂O₃ from fly ash,
developments in. 60-04186A
- Limestone.**
burning characteristics, evaluation. 60-03358A
calcining, in rotary kiln, process. 60-00070P; 60-03412P
chemistry and technology. 60-03263B
fines, fluidized bed drying. 60-04535A
-kaolin mixtures, vitrification process. 60-05736A;
60-05737A
lumpy to fine-grained, furnace for heat treatment.
60-02204P
quarries, effect of drilling and blasting on subsequent
operations. 60-02103A
reaction with Na phosphate, in aqueous suspension.
60-03379A
- Linings.** See *Refractories*.
- Liquation.**
of glasses, silicate, effect on positron lifetime.
60-04718A
in system Na₂O-B₂O₃-SiO₂, is spectroscopic study.
60-04887A
in systems Ga₂O₃-B₂O₃-SiO₂. 60-04792A
mechanisms, in silicate systems. 60-05648A
metastable, in glasses in system Nd₂O₃-Al₂O₃-SiO₂.
60-01093A
- Liquids.**
SiO₂-rich, in system SiO₂-B₂O₃, viscosity. 60-04463A
abrasive or corrosive, system for pumping. 60-04141P
enthalpy. 60-01038A
models, relations between volume and enthalpy relaxation.
60-03199A
viscous, flow in lens through prismatic channel, course
of level curve. 60-04694A
- Lithia.** See *Lithium, oxide*.
- Lithium.**
Li₂O, porosity dependence on thermal diffusivity and
thermal conductivity. 60-05677A
Li₂O-Al₂O₃, system, vaporization behavior. 60-02012A
Li₂N, films, retarded deposition on WO₃ substrates.
60-03180A
Li⁺, conductivity in Li niobate-SiO₂ glasses.
60-01080A
LiNbO₃, cleaved, crystallographic and electrooptic
properties. 60-05586A
crystallization from borate, vanadate, and tungstate
melts. 60-01867A
crystals, growth of. 60-05618A
crystals, mechanisms of laser-induced failure. 60-03603A
effect of CdO additive on sintering. 60-03067A
luminescence, effect of Li/Nb ratio. 60-03106A
suppression of harmonic generations of SAW in.
60-02715A
white-light image processing with. 60-00299A
- LiNbO₃/Fe, hologram decay in. 60-05626A
LiPO₄, crystallization and dissolution from its own melt.
60-04799A
LiTaO₃, crystals, study of color center translocation.
60-01949A
LiZn[BO₃] and LiMn[BO₃], crystal structure. 60-01860A
Ti-Zn, soft ferrite. 60-05350P
aluminate, porous, electrolyte retainer for molten carbon-
ate fuel cells, fabrication and properties. 60-04111A
sintered structure for holding electrolytes, method of
making. 60-02772P
beta-Li₂CoSiO₄, disordered structure. 60-05596A
ferrite, containing P pentoxide with V pentoxide or Bi
trioxide sintering agents. 60-02786P
glasses, with high ionic conductivity. 60-04811A
imprinting, of slip bands in mechanically deformed MgO
crystals. 60-00804A
impurities, enhancement of electrical conductivity in MgO
due to. 60-01894A
ion conductors, in system Li₂GeO₄-Li₂VO₄. 60-01932A
ions, diffusion in Li silicate glasses. 60-04707A
in nuclear materials, mass spectrometric determination.
60-05425A
oxide, self-diffusion coeff. of Li in. 60-04117A
self-diffusion, in oxide glasses, spectrometric determina-
tion. 60-00204A
tetrafluoroborate, thermal decomposition. 60-03228A
- Lubricants.**
effect on mechanical properties, of sintered ferrous
compacts. 60-04215A
heat-resistant, for glass molds. 60-01247P
used in glass bottle mfg. 60-04795A
- Luminescence.**
of BaMoO₄. 60-01921A
of Fe³⁺, in metaphosphate glasses. 60-02306A
of Li/NbO₃, effect of Li/Nb ratio. 60-03106A
Nd, in Li-La-Nd₂Cr, phosphate glasses, measurements
of. 60-03601A
Nd, Er, and Yb, in phosphate glasses, concentration
quenching of. 60-04691A
electro-, blue, in CdF₂/NaF. 60-02247A
element, method of making. 60-00571P
thin-film, in impurity-doped Al₂O₃. 60-03237A
of glasses, Tb metaphosphate, under X-ray excitation.
60-03595A
in system Na₂O-B₂O₃-P₂O₅, modification. 60-00219A
intrinsic, in pure Na silicate glasses, excitation of.
60-00159A
ion beam induced, in fused SiO₂. 60-04357A
light-induced, detection of U by. 60-01685P
photo-, in heteroepitaxial Cd_{1-x}Zn_xS films. 60-02684A
quenching, in Tb-activated Na rare earth metaphosphate
glass. 60-03459A
rare-earth ion, in phosphate glasses, quenching. 60-00251A
scintillation, of ZnWO₄ crystals. 60-03185A
spectral, of Na fluorophosphate glasses. 60-04881A
thermo-, in MgO, effect of impurities on reproducibility.
60-04316A
of black Y₂O₃ sintered bodies. 60-04401A
dating. 60-00899A; 60-01684A
and photo-, of quartz glass activated with Sm³⁺.
60-01184A
of tungstates and molybdates, U-activated, with scheelite
structure. 60-01922A
- Luminescent materials.**
glass. 60-03820P
for glass support, method for applying. 60-01268P
minerals, in fine-grain archeological samples. 60-03318A
thermo-. 60-02456P
- Luminophors.** See *Phosphors*.
- Lutetium.**
LuRhO₄, photoelectrochemical and solid-state properties.
60-03161A
- Machinery and equipment.** See also *Materials handling*
and specific types.
glass-forming, override system. 60-03800P
- Machining.**
cast iron, use of Si₃N₄-Y₂O₃-SiO₂. 60-00755P
damage, in glass-ceramics, effect on strength. 60-04719A
of glass. 60-01084A
- Magnesia.** See *Magnesium, oxide; Refractories*.
- Magnetite.** See also *Refractories*.
-C, bricks, development and use in BOF. 60-00407A
beneficiation. 60-05473A
mining, in China. 60-05478A
natural, microstructure of MgO derived from. 60-01369A
- Magnesium.**
Mg₂Hf₂O₇, structure and properties. 60-01984A
Mg₂SiO₄, effect of additives on formation, recrystalliza-
tion, and sintering. 60-05599A
MgAl₂O₄, crystals, radiation damage in. 60-03174A
polycrystalline, fracture of. 60-00795A
porous, dielectric breakdown of. 60-04005A
relation between thermochemical treatment and trans-
parency. 60-03179A
room-temp. KTC values for. 60-03183A
spinel from oxides, conditions for low-temp. synthesis.
60-03877A
spinel, space group. 60-05702A
MgAlPO₄, X-ray diffraction data of. 60-05742A
MgF₂, effect on properties of glasses in system Ba(PO₃)₂-
MgF₂. 60-04714A

- slow crack growth in. 60-05636A
 MgGa₂O₄, crystals, growth by PbO-PbF₂-B₂O₃ flux method. 60-04340A
 MgO and Al₂O₃, arc-melted, sintering, at low temps. 60-05697A
 -Al₂O₃-Al phosphate-zeolite catalyst. 60-00749P
 -C, refractory brick, method of making. 60-02550P
 Fe-doped, equilibrium defect structure. 60-04326A
 Fe-doped, kinetics of clustering reactions. 60-04361A
 Fe/MgO, and Cr/MgO, single crystal, dielectric behavior. 60-03059A
 and ZrO₂, refractory granules based on. 60-01422P
 absence of Jahn-Teller effect in excited state of V³⁺. 60-03025A
 additive, effect on kinetics of hot-pressing of Al₂O₃. 60-03068A
 atomic C in. 60-04273A; 60-04274A; 60-05559A; 60-05560A; 60-05561A; 60-05562A; 60-05563A; 60-05564A
 -based refractories, relation between CaO/SiO₂ ratio and hot strength. 60-03879A
 brine, chrome-bearing basic refractories from. 60-02516A
 burned refractories, process for making. 60-02560P
 compacts with F, sintered, characterization of. 60-00770A
 crack tip dislocations in. 60-04288A
 crystalline, electronic conductivity of. 60-00789A
 crystals, Li imprinting of slip bands in. 60-00804A
 crystals, effect of high-temp. deformation on plastic properties. 60-05603A
 crystals, exchange energies of Fe ions in. 60-00792A
 crystals, strength and dynamic behavior of dislocations 60-02016A
 crystals, surface damage from abrasion and heating, penetration of. 60-04380A
 crystals, thermal emission spectra. 60-04452A
 damaged by spherical particle impact, effect of approach direction. 60-01880A
 doped polycrystalline, internal friction of. 60-05637A; 60-05638A
 effect of additives on fusion and sintering behavior. 60-05089A
 effect on clinker phase and properties of asbestos cement. 60-04525A
 effect on clinker phases and properties of portland cement. 60-04545A
 electrical conductivity due to Li impurities, enhancement of. 60-01894A
 energies in, vacancy-dislocation interaction. 60-00848A
 fine-grained, mechanical properties at large compressive strains. 60-00811A; 60-04367A
 grain boundaries, Pt condensation on. 60-04395A
 grain-boundary segregation, characterization. 60-04283A
 high density refractories, production. 60-03901A
 ionic conductivity and Mg vacancy mobility. 60-00809A
 made from MgCl₂, sintering. 60-00447A
 pure, method for making. 60-01723P
 refractories, derived from magnesite, microstructure. 60-01369A
 shield for nuclear reactors. 60-05403P
 smoke particles, size distribution. 60-01975A
 surface, effect of charge deformation relaxation on thermodynamic properties. 60-04307A
 thermal analysis. 60-02002A
 thermoluminescence, effects of impurities on reproducibility. 60-04316A
 ultrafine, preparation by spray-ICP. 60-01775A
 unsoundness of cements containing. 60-02197A
 MgO-B₂O₃, mineral compositions under high pressure. 60-05656A
 MgO, Fe/MgO, and Cr/MgO, dielectric properties. 60-04344A
 MgO:Co²⁺, electronic and impurity-induced Raman scattering in. 60-03076A
 MgO:Cr³⁺, observation of new centers in. 60-03136A
 MgTiO₃, ESR study of Fe³⁺ in Ti site. 60-01879A
 aluminate, spinel, O diffusion in. 60-04378A
 and cement, process for simultaneous production. 60-00939P
 titanate, dielectric compositions. 60-02744P
Magnetic materials. See also *Ferrites; Ferromagnetic materials; ferromagnetism.*
 bubble domain, method of depositing on a substrate. 60-02763P
 bubble materials. 60-02671A
 cermet type. 60-00536P
 films, garnet, treatment. 60-00607P
 method for modifying easy direction of magnetization. 60-00566P
 method of making. 60-01612P
 garnet, compositions, technique for growing. 60-04101P
 head, method for making. 60-02408P
 mfg., using boronizing treatment. 60-02757P
 layers, methods of annealing. 60-02775P
 powders, based on gamma-Fe₂O₃, process for making. 60-00598P
 for recording media. 60-02745P
 process for producing. 60-00556P
Magnetic properties. See also *Anisotropy; Resonance.*
 of ceramic materials, effect of 2nd phases on. 60-02700A
 of ferrites, Ni-Cu-Co, effects of Ti⁴⁺ addition on. 60-05608A
 spinel Li. 60-01561A; 60-01562A
 of glasses, basalt. 60-01085A
 microscopic, of V₂O₅. 60-04370A
 of monoxides, rare earth. 60-01923A
 order, in rutile-type compounds (Fe₂,Ta₂)O₅ and (Fe₂,Nb₂)O₅. 60-03040A
 of powders, Sr hexaferrite. 60-02939A
 short-range-order, in LaCrO₃. 60-02704A
 of solid solutions, Cu₂Mn₂O₇-Cu₂Fe₂O₇. 60-05610A
 susceptibility, of Na disilicate glasses containing PuO₂. 60-01086A
 of glasses, torsional resonance study. 60-00226A
Magnetism.
 para-, radiation-induced centers in phosphate glass containing Li₂O, La₂O₃, and rare-earth oxide. 60-00253A
Magnetite.
 cation distribution, thermopower measurement. 60-05299A
 diffusion in, cation, correlation and isotope effects for. 60-03049A
Magnetoresistance. See *Resistivity, electrical.*
Magnets.
 composite, plastic-ferrite, process for making. 60-05342P
Majolica. See *Art and artifacts; Dinnerware.*
Manganese.
 Mn²⁺, in chalcogen-rich Ge-Se glasses, EPR study. 60-01018A
 doping of (La₂O₃)_{0.8}(CeO₂)_{0.2}, EPR of. 60-03065A
 Mn₂(BO₃)₂, synthetic jímboite, crystal structure. 60-01862A
 MnO₂. 60-05319P
 coating, method for making electrodes with. 60-04069P
 MnTiO₃, crystals, preferentially oriented precipitation in. 60-04398A
 -SiO₂, annealed films, dc resistivity. 60-02707A
 -containing additives, use in production of portland cement. 60-04529A
 -containing dust, from blast furnaces, use in production of portland cement. 60-04530A
 cordierite, glass-ceramics, method of making. 60-00354P
 oxides, fine structure, extended X-ray absorption. 60-03188A
Masers. See *Lasers.*
Masks and masking.
 Si, method of making. 60-04073P
 of abrasion injury, on glass articles. 60-04951P
 dielectric, selective plasma etching. 60-00601P
 glass and glass-ceramics, method for. 60-03772P
 oxide, of GaAs. 60-00590P
 photo-, Cr, boriding for increased abrasion resistance. 60-01732A
 semitransparent, Fe oxide films for. 60-01517A; 60-01518A
 technique, used in making semiconductors. 60-01596P
Materials.
 Al-bearing, removal of Fe and Ti minerals by chlorination and beneficiation. 60-05495P
 P/M, sintered, calculation of porosity in. 60-04278A
 V carbide-containing, with low S content, process for making. 60-04257P
 abrasive, industrial. 60-04477B
 advanced, future requirements for. 60-00852A
 analysis, instruments for. 60-05755B
 anisotropic, optical constants of. 60-01886A
 ballistic, and penetration mechanics. 60-03259B
 bauxite-type, process for treating. 60-04197P
 bulk, dry, dust-free loading and stockpiling. 60-01650A
 cementitious, flexible, method of making. 60-03406P
 ion beam etching study. 60-00919A
 ceramic, with Al nitride added for decreased sintering temp. and stabilized dielectric characteristics. 60-01221P
 for H-F environment. 60-04200A
 X-ray analysis, automatic loss correction. 60-05423A
 assessment of Department of Defense structures research and development. 60-00850A
 fiber-reinforced, model investigations. 60-04218A
 local in-depth analysis by spectrometry. 60-02841A
 properties, preliminary appraisal. 60-04187A
 static, dynamic, and cyclic fatigue. 60-05704A
 strength at high temps. under tension. 60-03202A
 subcritical crack extension in. 60-05574A
 ceramic faced structures, method for making. 60-05527P
 chrome-containing, use in European glass industry. 60-02252A
 clay products, pillared interlayered. 60-05542P
 composite, advances in. 60-04472B; 60-04473B
 colored, made of asbestos cement. 60-02202P
 introduction to. 60-04478B
 mechanics of. 60-00862B
 condensed, effect of aperture on optical system during measurement of emissivity. 60-04146A
 electrophysical, bending strength. 60-05264A
 engineering. 60-00227B
 Si₃N₄-based sintering composition. 60-04264P
 heated head assembly for Stirling engine. 60-04239P
 method of making. 60-04249P
 mixed oxide compositions, synthesis. 60-04267P
 refractory. 60-04261P
 reinforced structure. 60-04262P
 tip in rotary turning tool. 60-04270P
 tip in single-point turning tool. 60-04269P
 zeolite Y, method of producing. 60-04252P
 zeolite compositions, preparation and use. 60-04253P
 failure, from internal flaws, prevented by use of scanning laser acoustic microscope. 60-02854A
 ferromagnetic. 60-04475B; 60-04476B
 fine grained, method and apparatus for thermal treatment with hot gases. 60-03402P
 friction. 60-03000P
 inorganic, behavior in fire. 60-02936A
 physical chemistry and technology. 60-00863B
 irradiated and metamict, relevance to radioactive waste science. 60-04114A
 laser, research, in China. 60-03582A
 with low coeffs. of thermal conductivity, experimental setup for determining emissivity. 60-01663A
 microscopy, TEM. 60-02039B
 minerals, industrial, of Italy. 60-04185A
 particulate, method for handling to reduce dust. 60-02413P
 porous, composition for, and crushability characteristics. 60-00751P
 powdered, mechanochemistry of. 60-05649A; 60-05650A
 pulverized, transport, over long distances. 60-02195A
 rare earth, science and technology. 60-04482B
 raw, Al₂O₃ production by HNO₃ extraction of clay. 60-02914P
 Al₂O₃, production. 60-02913P
 Bulgarian, production of phosphate-bonded Dinas refractories from. 60-00436A
 China clay resources of West Bengal. 60-00675A
 for Murano and Venetian glassware. 60-00018A
 Neuburg White, starting point for sillinite. 60-05479A
 U.S., predicted crisis. 60-00853A
 Wadi Giharendel clay deposits. 60-02501A
 alkaline, use in production of sanitary ware. 60-05223A
 availability for glass industry in Sardinia. 60-00982A
 bauxite, from Rajasthan. 60-05484A
 by-products of mfg. fuller's earth. 60-05474A
 for ceramic industry, development. 60-04184A
 ceramic, in Europe. 60-03250A
 dolomite utilization in Hungary. 60-04188A
 effects on dielectric properties of corundum. 60-00503A
 exploration, prospecting methods. 60-00676A
 flint, properties and use. 60-05486A
 for glass containers, substitution of. 60-01192A
 for glass industry. 60-03537A
 for glass industry in France, occurrence and treatment. 60-01112A
 in glass industry in North America and Western Europe, market for. 60-00203A
 for glass industry, availability, handling, and application. 60-04759A
 for glass industry, controlling costs. 60-04822A
 glass sands in West Africa. 60-01055A
 for glass, determination of Na₂O and K₂O content using ion-selective electrodes. 60-04700A
 for glass, mineralogical applications. 60-01097A
 for glass, system for pelletizing. 60-02455P
 for glass, world outlook. 60-00234A
 for glassmelting furnace refractories, Hungarian supply. 60-03548A
 gypsum, equipment for automatic control in digesters. 60-04592P
 for heavy clay products, preparation and storage. 60-02819A
 for jiggers, improvements in mixture. 60-05212A
 kaolin. 60-05481A
 local, production of facing tiles from. 60-05232A
 mineral, method and apparatus for flotation. 60-05492P
 mix for facing tiles. 60-05257P
 mix for producing portland cement clinkers. 60-04593P
 mix for producing white cement clinkers. 60-04594P
 mixture for producing refractories. 60-05176P
 natural, production of refractory glass fibers from. 60-01387A
 nepheline syenite, for glass mfg. 60-00223A
 new, basis for use in cement industry. 60-04571A
 pegmatites, use in glass and fine ceramics industry. 60-05482A
 for pressing refractory bricks, optimum mixing time. 60-01340A
 for producing refractories. 60-05167P
 for production of cast refractories. 60-05168P
 for production of sanitary ware. 60-03968A
 projection for U.S. soda ash in world markets. 60-00248A
 quartz. 60-05483A
 for refractories, dust control in processing. 60-00411A
 refractory, calcined Chinese bauxite. 60-02524A
 refractory, grain size control. 60-05084A
 refractory-grade bauxite, from China. 60-05141A
 for sanitary ware, thermal behavior during rapid firing. 60-00491A
 sawdust, use in heavy clay products. 60-02502A
 series-chemical analysis for quantitative control. 60-05447A
 for silicate industry. 60-05476A
 silicate, embedding material for heating elements made from. 60-05206A
 silt for brick industry. 60-02495A
 submarginal, beneficiation. 60-00674A
 synthetic diopside and wollastonite. 60-02912A
 in whiteware industry, energy savings through proper selection. 60-01497A
 for whiteware, with decreased water absorption and gray color. 60-05234P
 refractory, annual review. 60-00396A
 developments since 1977. 60-00865B
 ground, relation between supply and demand for each particle size. 60-05115A

- high-temp. elastic moduli, ultrasonic measurement. 60-00450A
intermediate grinding. 60-05092A
production technology. 60-05756B
research. 60-03280B
Federal funding. 60-03253A
resistance, for electronic applications. 60-05344P;
60-05345P
science, current topics. 60-03270B; 60-04474B
treatise. 60-00869B
semiconducting. BaTiO₃. 60-05263A
sheets, fibrous. 60-02998P
siloxane compositions, which can be ceramized at high
temps. 60-05550P; 60-05551P
sinter. 60-01460P
sintered, with improved ductility. 60-00763P
superhard. 60-00728A; 60-02976A
soda ash, market trends. 60-03668A
solid, resistance to concentrated H₂PO₄. 60-02941A
storage, for radioactive wastes. 60-02807A
technical. 60-03290B
technology, world perspective. 60-03280B
tests, triple-exposure holography. 60-02862A
vitrographite, new ceramic, production. 60-01714A
welding, new types, study and development. 60-02230A
- Materials handling.** See also *Conveyors; Feeding apparatus; Machinery and equipment.*
containers, semibulk. 60-01651A
hot articles, glass. 60-03756P
lifeline to profits. 60-02818A
loading and stockpiling, dust-free, of dry bulk materials. 60-01650A
mills, wad, use of. 60-01655A
packing, nonspherical refractory particles. 60-01378A
ropeways, aerial, low energy means of transport. 60-03363A
storing or transporting, clay or cement particles. 60-04140P
- Measurement.**
Shelyubskii, of homogeneity of glasses. 60-04831A
XPS, of silicate and phosphate glasses. 60-01203A
of air pollution, present trends in interpretation. 60-00854A
automatic, of glass thickness. 60-00108A
of bending strength and Young's modulus, of grinding wheels. 60-04486A
of core diameter, of step-index optical fibers. 60-01060A
of coupling efficiency, in single-mode channel waveguides. 60-00210A
of crack depth, apparatus for. 60-04168P
depth, of surface flaws. 60-05454P
of diameter, of optical fibers, using Fourier transform. 60-00208A
dilatometric, high-temp., elimination of error and processing of results. 60-04147A
high-temp., increase in accuracy. 60-04151A
direct index, of diffused channel waveguides. 60-02265A
of dispersion, in single-mode fibers. 60-02310A
of elastic moduli, of ceramics. 60-00638A
of efficiency, of condensed substances, effect of aperture of an optical system. 60-04146A
focal length, of electron optical lenses, apparatus for. 60-02866P
high-temp., of mechanical properties of ceramics. 60-00635A
of mechanical properties, of brittle materials, disk-shaped specimens for. 60-00847A
of mode conversion coeffs., in graded-index fibers. 60-00209A
of moisture, types of sensors available. 60-02859A
noise, 1/f. 60-00627A
of phase temp., in nonequilibrium two-phase flow. 60-01925A
photoemission, of interface barrier energies for tunnel oxides on Si. 60-02682A
of physical-chemical properties, of oxide melts. 60-03599A
power, thermoelectric, in wustite. 60-05625A
of response curves, of models of glassmelting furnaces. 60-01089A
of specific gravity, apparatus and method. 60-05452P
of stresses, in metal/porecelain cermets. 60-04631A
of subcritical crack extension, using double torsion specimens. 60-05711A
temp., optical, recent advances. 60-04156A
thermal diffusivity, laser-flash, automation of. 60-00628A
using pulsed dual-beam lens method. 60-02861A
thermocouple, grounded, preventing noise in. 60-04154A
thermopower, of cation distribution in magnetite. 60-05299A
threshold, on pyroelectric detectors. 60-03996A
of toughness, of refractories. 60-00427A
- Mechanical properties.**
of BeO, Al₂O₃, and AlN, at high pressure. 60-01926A
of MgO, fine-grained, at large compressive strains. 60-00811A; 60-04367A
of abrasives, amber BN. 60-00001A
diamond, Syndite. 60-00004A
of brittle materials. 60-00810A
disk-shaped specimens for measuring. 60-00847A
of ceramic materials, high-temp. measurement. 60-00635A
of ceramics, at high temp., determination. 60-00632A
of cloth, activated charcoal. 60-02958A
of composites, highly deformed Al-glass. 60-03609A
low density aluminous cement/perlite. 60-04549A
sintered, in-situ-reacted mullite-ZrO₂—comment. 60-04216A
sintered, in-situ-reacted mullite-ZrO₂—reply. 60-04217A
of condensates, vacuum, control, using dispersed particles. 60-01514A
of ferrites, monocalcium, modification with CaSO₄. 60-04551A
of films, Si₃N₄, deposited by SiCl₄-NH₃ reaction. 60-02633A
of glasses, Na₂O-CaO-SiO₂, effect of hydroxyl ion content. 60-00140A
chemically strengthened. 60-04837A
inorganic, relation to thermal characteristics. 60-04692A
of layers, ceramic, deposited on metallic substrates, measurement of. 60-00719A
of porcelain, improvement. 60-02589A
reliability, of optical fibers. 60-00211A
- Mechanics.**
fracture, application to concretes. 60-03362A
of materials, composite. 60-00862B
micro-, of flow growth in static fatigue. 60-04369A
penetration, for ballistic materials. 60-03259B
of pressing, powder. 60-01763A; 60-01764A; 60-01765A
of testing, nondestructive. 60-03281B
- Mellite.**
structure, Ce-containing aluminate with, preparation and properties. 60-04399A
- Melting.**
of Fe, direct reduced, by UHP arc furnace. 60-00428A
atm, effect on phase separation of Na₂O-CaO-SiO₂ glasses. 60-04823A
electric, of opal glass. 60-03625A; 60-04813A
-fining, of Na₂O-CaO glasses, redox phenomena. 60-00244A
glass-, elaboration of balance equations and computer analysis. 60-04728A
energy performance, mathematical description. 60-00262A
equation for interaction between granular material and liquid. 60-03573A
modeling of, similarity of electrothermomechanical processes. 60-04860A
with reduced energy. 60-01004A
of glasses, Indian blast furnace slag as additive for accelerating. 60-03554A
Pb, pitting corrosion of furnace bottom during. 60-04826A
alkali-resistant containing ZrO₂, effect of components. 60-00186A
of mullite, 3Al₂O₃·2SiO₂. 60-05651A
-point relations, for simple halides and oxides. 60-05652A
points, in ionic substances, relation to Coulomb potential. 60-00813A
of quartz, crystals, internal nucleation of. 60-01067A
resistance, of frits for oxide coatings, method and apparatus for. 60-02902P
rf, of laser glasses. 60-01143A
skull, crystal growth of transition metal monoxides by. 60-00829A
stepwise, in scanning calorimetry, purity determination by. 60-02829A
zone, temp. gradient, apparatus for practicing. 60-00530P
- Melts.**
K₂Cr₂O₇, growth of Cr₂O₃ crystals from. 60-05617A
LiPO₃, mechanism of crystallization and dissolution. 60-04799A
MgSiO₃, instantaneous structure, simulated by molecular dynamics. 60-03562A
Na and Ag nitrates, ion-exchange interaction with sesquioxide-containing Li silicate glasses. 60-04778A
SiO₂, vitreous, behavior of bubbles. 60-04671A
alkali and alkaline-earth, kinetics of mullite dissolution in. 60-03965A
borate, vanadate, and tungstate, crystallization of LiNbO₃ from. 60-01867A
glass-, analysis of energy performance. 60-00127A
mathematical modeling of bubbles in. 60-03597A
multibubble dissolution in. 60-00221A
multiphase electrical current field in. 60-04809A
silicate, vapor pressures of. 60-02356A
in system BaO-B₂O₃-SiO₂, effect of temp. on position of conodes. 60-00142A
system Fe oxide-borate, anodic processes. 60-00102A
of system Na₂O-RbO₂-SiO₂, ion exchange between. 60-01069A
glass-forming, Na₂O-B₂O₃-GeO₂, thermodynamic properties and vaporization processes. 60-00205A
Pb borate, specific volume and viscosity. 60-00280A
ZnCl₂-urea, supercooling, NMR spectroscopic study. 60-03614A
of nonmetallic compounds of type A₂B₃. 60-04755A
in system Na₂O-SiO₂, kinetics of heterogeneous reactions. 60-03576A
transport process in, temp. and concentration dependence. 60-03698A
ionic, limitations of thermodynamics for structural theories. 60-05646A
mineral wool, prediction of spinability. 60-04006A
oxide, physical-chemical properties, measurement of. 60-03599A
rinse, for LPE crystals. 60-05346P
silicate, 1-atm, anionic constitution. 60-03435A
redox equilibria of Ti, Cr, and Eu. 60-03656A
role of P₂O₅ in. 60-03181A
silicate and silicate-salt, viscosity. 60-04907A
systems, As-S, viscosity and elastic properties. 60-00294A
- Membranes.**
glass, microporous, permeability of gases through. 60-01122A
- Memory.**
effects, in relaxation of glasses. 60-03604A
elements, nonvolatile semiconductor, method of making. 60-02770P
- Memory devices.**
bubble, use of garnet films in. 60-02671A
transistors, p-channel MNOS, effect of H anneal on. 60-02655A
- Mercury.**
Hg₂-Cd₂Te, plasma anodization. 60-05288A
- Metalization.**
compositions, for dielectric substrates. 60-00558P
pre-, of Al₂O₃. 60-02687A
of substrates, Polkor-based, treatment prior to. 60-01638P
- Metalizing.** See *Coatings.*
- Metallochemical compositions.** See *Cermets.*
- Metalurgy.**
containers, refractory, preheating. 60-03937P
powder, improves aircraft turbine quality. 60-02518A
review of induction sintering. 60-02972A
refractories, dense and insulating, current trends in use. 60-03881A
- Metals.** See also *Enameling metals; Rare earths; Refractories.*
Pt group, on refractories, production. 60-01628P
Si, for crystal growth, method for replenishing. 60-04053P
alkali, iodides of, interactions with iodides of rare earths. 60-03111A
alkaline earth, metaphosphates, IR absorption spectra. 60-04353A
alkoxides, TiO₂-SiO₂ glasses prepared from. 60-01188A
bodies, hard, wear-resistant, method of making. 60-01821P
bonding of, solid state, to oxide materials, parameters. 60-01771A
carbides of, pure, method for making. 60-04258P
coatings, method for applying to glass. 60-04967P
coordination compounds, aqueous, as protective coatings for glass. 60-04918P
electroformed, on clay. 60-00890A
fusing sight glass, to, method. 60-00351P
glassy. 60-03542A
grain boundaries, high-angle, structure of. 60-01985A
heat-resistant, enameled parts made of. 60-03428P
high-melting-point, induction heating, refractory supports for. 60-00443A
matrix composite, reinforced with SiC fibers, method of making. 60-01811P
-metallic carbide, composite, method of forming. 60-05539P
molten, apparatus for measuring temps. 60-02865P
reactive, S-containing refractories for resisting. 60-02573P
refractories for pouring. 60-00469P
-nitride-oxide-Si, currents at constant oxide fields, temp. dependence of. 60-05721A
nonferrous, industries, refractories for. 60-01391A
optics, vs glass optics. 60-03605A
oxide compounds, for electronics, method for making. 60-01603P
-oxide-metal-eutectic, composites, zone growth production. 60-01810P
oxides, IrO₂. 60-04285A
effect of support on chemistry and catalytic activity. 60-00709A
eutectics in systems (Cr,Al)₂O₃-(Cr,Mo,W)₂O₇-ZrO₂-Ta₂O₅ and their powder treatment. 60-01773A
nonstoichiometric, defect structure. 60-03054A
powdered, method for making. 60-05494P
reduction by electron cyclotron resonance plasma of H. 60-00825A
release of, from tableware. 60-01482A
resistance, of refractories, comparative appraisal. 60-01337A
role of, in porcelain enameling. 60-04644A
toxicity of. 60-01852A
transition, monoxides, crystal growth by melt melting. 60-00829A
oxides, defect equilibria in. 60-04294A
- Metaphosphates.** See *Phosphates.*
- Mica.** See also *Refractories; Vermiculite.*
Fe-rich, X-ray absorption study. 60-03247A
Indian, setup for measuring thermal conductivity. 60-05448A
-crystalline material, glass for. 60-04943P
-filled glass fiber sheet, method of making. 60-02422P
glass-, composite materials, preparation. 60-01746A
phlogopite powders, and carbonates, cellular-structure glass formed with. 60-03442A
and recycled Na₂O-CaO glass, fabrication of cellular composites from. 60-00160A
-silicone, composites. 60-03009P
waste, as source of K for plant growth. 60-01796A
- Microhardness.** See *Hardness.*
- Microscopy.** See also *Structure, micro-.*
SEM, study of topography and crystal alignment on oxide surfaces. 60-03184A
TEM, of Pb(Zr_{0.1}Ti_{0.9})O₃. 60-05300A
of materials. 60-02039B

- portland cement clinker viewed by. 60-03375A
study of InGaAsP/InP mechanically damaged diode. 60-00524A
- electron.** 60-02085A
of cement pastes—reply to comment on. 60-02183A
study of Egyptian clays. 60-05611A
study of glasses and ceramics. 60-00120A
glass state, theory for. 60-03608A
hot-stage, use in firing studies of clear glass. 60-00162A; 60-03509A
images, high-resolution, of defects in Mg- and Li-stabilized beta-Al₂O₃. 60-03097A
interference, study of refractive index profile of glass fibers. 60-03564A
ion, quantification, direct digitization system for. 60-05427A
scanning electron. 60-05444A; 60-05445A; 60-05446A
scanning laser acoustic, use in finding internal defects. 60-02854A
- Microstructure.** See *Structure, micro*.
Microwaves. See *Waves, micro*.
- Migration.**
Ca, in dense Al₂O₃ aged in water. 60-05191A
alkali metal, in SiO₂/Si system. 60-02660A
- Milling.** See also *Crushing; Grinding*.
of Al₂O₃, reactions during. 60-04411A
inert gas ion, method for increasing etch-rate ratio of oxides to nonoxides. 60-02674A
of kaolin, rich in muscovite. 60-05413A
products, fine-grained, effect of granulometric characteristics on densification. 60-05411A
of solid fuels, safety precautions. 60-00657A
- Mills.** See also *Crushing apparatus; Grinding apparatus*.
air-swept, with different design features of grinding compartment, for cement industry. 60-02070A
ball, closed circuit, radioisotopic study of material flow. 60-03378A
effect of number and size of balls on grinding crystalline solids. 60-05410A
use of basaltic fibers to reduce noise. 60-04514A
jet, "micronette", use in ceramic industry. 60-02822A
pan, cost of operating in structural clay industry. 60-05034A
pebble, recent design changes. 60-01653A
roller and ball, comparison, for cement raw material grinding. 60-02086A
wad, use in materials handling. 60-01655A
- Mineral fibers.** See *Mineral wool*.
Mineral wool. See also *Fibers, glass*.
apparatus for collecting. 60-03762P
apparatus for distributing. 60-02410P
apparatus for processing. 60-04914P
apparatus for producing. 60-04916P
from basalts, effect of composition on properties. 60-04772A
binder, refractory. 60-01436P
forming, environmental control for. 60-00320P
mat, method for determining surface weight. 60-01259P
melts, spinability, prediction of. 60-00406A
method and apparatus for forming. 60-02411P
method for making. 60-02552P; 60-04956P
mfg., suppression of pollution. 60-01303P
packs, method and apparatus for making. 60-03767P
separation of, from nonfibrous materials. 60-02559P
steel wool, composite mat, method for making. 60-05545P
with unitary length, method for making. 60-01266P
use in alkaline media, method of making. 60-01438P
- Mineralizers.** See also *Fluxes*.
for hydrothermal synthesis, and crystal growth, choice of. 60-00773A
- Mineralogy.**
of cements. 60-02153A
of clays. 60-03129A
of dolomite, for basic refractories. 60-02519A
experimental, achievements and prospects. 60-05613A
of glass-ceramics. 60-02313A
sintered cordierite. 60-02312A
optical, nonopaque materials. 60-03282B
of orthosilicates. 60-03291B
of slags, blast furnace. 60-04557A
- Minerals.** See also *Materials, raw; Rocks*; and specific types.
Fe and Ti, removal from Al-bearing materials by chlorination and beneficiation. 60-05495P
Mn, determination of Ca, Mg, and Mn in. 60-05451A
Si in, determination by silicomolybdate blue spectrophotometry. 60-01662A
alexandrite, high-gain laser performance. 60-02646A
tunable cw laser. 60-02719A
analysis of, modified differential thermogravimetric. 60-02846A
aragon, mined from the sea, for glass industry. 60-04667A
cement, secondary hydration. 60-04565A
chromite. 60-04183A
classification of, using vibroacoustics. 60-04164A
clay, Indian, dielectric properties. 60-04300A
clay mixtures, determination of smectites in. 60-02851A
from coal liquefaction residue. 60-02218P
dickite, showing unusual crystal habit and structural disorder. 60-03058A
flint, properties and use. 60-05486A
flotation, method and apparatus. 60-05492P
- formation, in molten quartz sand-limestone-dolomite-clay mixtures and their glasses. 60-04805A
by reaction of magnesite-chromite refractories with CaO. 60-05096A
fusion, rotary furnace for. 60-00671P
for glasses, decorative. 60-01098A
in glass systems. 60-03448A; 60-03449A
goethite, acicular, process for producing. 60-02784P
heavy, of ancient ceramics, separation by centrifugation. 60-00892A
industrial, of Italy. 60-04185A
leucite, process for exploitation. 60-04189A
luminescent, in fine-grain archeological samples. 60-03318A
muscovite, behavior at high temps. 60-05567A
muscovite-montmorillonite mixed-layer, in Friedland clay. 60-05659A
nacrile, developing a 14 Å phase during dehydroxylation. 60-03131A
names, manual of—1892-1978. 60-02031B
phases, which might accommodate nuclear wastes. 60-05377A
refractory, potential for export from China. 60-05013A
separation of, magnetic. 60-00683P
serpentine, synthesis of high-hardness vitrocristalline materials based on. 60-04829A
sillite, Neuburg White, initial material for. 60-05479A
trace elements in, extraction system for determination. 60-05435A
zeolites, production and product uses. 60-04190A
- Mines and mining.**
of magnesite, in China. 60-05478A
open pit, preparation and operation. 60-05485A
segmented, and drying of bentonite, method. 60-02919P
- Mirrors.**
VO₂, programmable, scan laser with. 60-03997A
films, glass. 60-01242P
glass, explosion risks and safety measures during production. 60-04743A
laser, graphite-glass composite. 60-03755P
oxide protected. 60-04984P
- Missiles.** See *Spacecraft*.
- Mixers.**
continuous, for castable refractories, development of. 60-05068A
hot metal, measures for prolonging life of. 60-05094A
- Mixing.**
fluidized, saves wear and tear in glass industry. 60-03512A
of powders, nonmetallic. 60-01652A
- Mobility.**
Mg vacancy, in MgO. 60-00809A
channel, in Si on sapphire transistors, use of laser annealing to increase. 60-02609A
electron-to-hole, ratio in UO₂, measurement of. 60-05374A
in films, Cd,Zn_{1-x}S, chemically sprayed. 60-01511A
of fluorides, implanted in graphite compounds, NMR study. 60-03134A
of gas bubbles, in UO₂. 60-05378A
of ions, Na and K, in two glasses of composition 0.13(Na₂O + K₂O).0.87SiO₂. 60-04900A
- Models.**
for anelastic and time-dependent properties, of glasses. 60-04775A
casting, centrifugal, for glasses. 60-04861A
chemical, of glass. 60-04681A; 60-04682A; 60-04683A; 60-04684A; 60-04685A
climb, of dislocations in oxides. 60-00774A
computer, of crystal growth. 60-03047A
for planning and control of cement quarrying. 60-02168A
crack-growth, for ion-exchanged glass. 60-02314A
diffusive, of Pb²⁺ release from Pb-ceramic glazes. 60-03958A
of electron structure, of alkali metal phosphate glasses. 60-04804A
for elongation, of B and W during CVD. 60-00721A
for erosion damage, to composites. 60-02966A
for evaporation, of grain-boundary phase. 60-01929A
of fiber-reinforced ceramics, study. 60-04218A
of furnaces, glassmelting, measuring response curves on. 60-01089A
glass receiving store, for container production. 60-03538A
glassmelting, similarity of electrothermomechanical processes. 60-04860A
impact, elastic-plastic, correlation of erosion data with. 60-03050A
kiln, study. 60-00652A
kinetic, for short term dissolution of rhyolitic glass. 60-04786A
of liquids and glasses, relations between volume and enthalpy relaxation. 60-03199A
mathematical, RSM, use in reformulating and optimizing vitreous refractory bonds. 60-05135A
of bubble behavior during refining of glassmelts. 60-00306A
of bubbles in melted glass. 60-03597A
by computers, use in kiln design. 60-02878A
of economy of filtering dust precipitators. 60-02143A
of electrically heated glassmelting furnace. 60-04902A
of glassmelting furnace with batch melting process. 60-00207A
for projecting power supply for electric glassmelting furnaces. 60-04897A
mechanical, statistical, of B coordination in alkali aluminoborosilicate glass. 60-01168A
- numerical, two-dimensional, for studying refining and homogenizing of glass. 60-00259A
order parameters, of liquids and glasses with applications to dielectric relaxation. 60-03142A
random network, for vitreous SiO₂, refinement. 60-01963A
scale, use in plant design. 60-02821A
structural, for B₂O₃ glasses. 60-03682A
for binary silicate systems. 60-04430A
theoretical, of mfg. reaction-bonded Si₃N₄. 60-00732A
weak-electrolyte, for mixed-alkali effect in glass. 60-01200A
- Modulators.**
traveling wave amplitude, for optical communication. 60-03709A
- Modulus of elasticity.** See *Elasticity*.
Modulus of rupture. See *Rupture*.
- Moessbauer effect.**
studies, of Np fluorozirconate glass. 60-03611A
- Moisture.** See also *Humidity; Steam; Water*.
absorption, of polyester-E glass composites. 60-02962A
adsorption, and specific surface area. 60-01674A
measurement of, types of sensors available. 60-02859A
tester, for scanning ceramic surfaces. 60-05434A
- Molding.**
of glasses, quartz, problems with. 60-04833A
hot, of whiteware, machinery for. 60-01481A
injection. 60-01758A
plastic, apparatus for. 60-00303P
in tableware industry. 60-01484A
plastic masses, based on Al-Mg spinels. 60-05197A
whiteware. 60-05227A
- Moldings.**
SiC, sintered. 60-01459P
concrete, cement composition for making. 60-00934P
refractory, sintered SiC, method of making. 60-03932P
- Molds.** See *Glassmaking equipment; Pottery-making equipment; Refractories; Slip casting; Slips*.
- Molybdates.**
Ti(II) double, with Er-Lu and Y, polymorphism of. 60-01952A
U-activated, with scheelite structure, luminescence of. 60-01922A
- Molybdenum.**
Mo silicide oxide films, characterization. 60-00500A
MoO₃, effect on phase separation of Na₂O-B₂O₃-SiO₂ glasses. 60-03491A
MoSi₂, effect of additives on recrystallization. 60-04306A
- produced by powder synthesis, sintering of. 60-01786A
carbide, corrosion and electrochemical properties. 60-01741A
diboride, hexagonal, formation by plasma heating. 60-02950A
metal, glass for sealing to. 60-02390P
sulfide, cathode structure. 60-01613P
- Monomer/multimer.**
layer fraction, in Friedland clay. 60-05659A
- Morphology.**
of C.S. 60-00040A
of films, PbTe, grown on LiNbO₃. 60-01569A
of glass phase, in glass-ceramic systems. 60-03612A
of molybdates, Ti(II) double, with Er-Lu and Y. 60-01952A
of semiconductors, amorphous. 60-03613A
surface, of GaAs during etching with aqueous vapors. 60-04438A
- Mortars.** See also *Cements; Concretes*.
C.S. temp. increases during hydration, effect on microstructure and strength. 60-00029A
air entraining, method of making. 60-03390P
air-entrained, additive for. 60-02198P
for bonding bricks, refractory. 60-02544P
cement content, post-construction estimation. 60-03376A
cold weather hardening, made with hydraulic binders. 60-02219P
and concretes, made from Egyptian portland cement, expansion of. 60-00913A
containing fly ash, accelerated sulfate testing. 60-03333A
effect of superplasticizers on. 60-02135A
hardened, acoustic emission in drying of. 60-03334A
quick-setting, binder for. 60-00066P
for repairing bricks, SiC. 60-02568P
strength, fracture, effect of shape and surface texture. 60-03355A
- Multilayers.** See also *Refractories*.
3Al₂O₃-2SiO₂, melting characteristics. 60-05651A
-ZrO₂, sintered, in-situ-reacted composites, mechanical properties—comment. 60-04216A
sintered, in-situ-reacted composites, mechanical properties—reply. 60-04217A
corundum, with fractured-surface structures, relation between thermal stability and strength. 60-05688A
crystals, residual stress in siliceous glass between. 60-02335A
formation, in kaolin, limestone, and quartz mixture, vitrification process. 60-05735A
in presence of Cr₂O₃, kinetics. 60-04362A
glass-ceramics, spontaneously formed. 60-02449P
primary, formation in kaolins, ir spectroscopic study. 60-05643A
processing for forming. 60-05339P
refractories, bonded synthetic, characterization. 60-03872A
creep. 60-00405A

- secondary, X-ray microanalysis of. 60-05233A
synthetic, preparation and properties. 60-01384A
whiskers, reinforcement of corundum refractories with. 60-00444A
- Muscovite.** See *Mica*.
- Neodymium.**
Nd³⁺, in glasses, spectral properties. 60-04869A
in metaphosphate glasses, spectral-generation studies. 60-04870A
Nd₂GeO₇, crystal structure. 60-01863A
crystals, fluorescence quantum efficiency and laser emission cross sections, determination. 60-02622A
electron energy deactivation and transfer, in highly concentrated phosphate glasses. 60-03618A
fusion lasers, glass for. 60-01052A
separation of Sm from, by anion-exchange chromatography. 60-05442A
- Nepheline,**
syntite, raw material for glass mfg. 60-00223A
- Neutrons,**
damage, in graphite irradiated and stored at room temp., annealing. 60-04106A
high-energy, radiation damage by. 60-05384A
- Nickel.**
NiO, microcrystals, in absorption in. 60-03108A
NiS, inclusions in glass, fracture mechanics of microcracking about. 60-00167A
NiWO₄, antiferromagnetic, magnetic anomalies during flip orientation. 60-04376A
alloy, precoat, secures ZrO₂, BN, or Al₂O₃ to metal. 60-02965A
bonding Si and Sn on sapphire and spinel to, method. 60-05328P
carbide. 60-01934A
catalytic activity, at glass/metal interface in porcelain enameling. 60-03417A
cluster catalyst, metal oxide/SiO₂ supported. 60-05535P
distribution of, in phase-separated F-containing glasses. 60-01017A
flash, in one-coat enameling, catalytic effect. 60-00083A
-flash coating, in porcelain enameling-to-steel bonding, mechanism. 60-04629A
phosphide-boride, dispersions. 60-02777P
powders, with precipitates, process for making. 60-01833P
- Niobates,**
Li, Ti-diffused, optical waveguide channel branches. 60-01119A
effect of Li/Nb ratio on luminescence. 60-03106A
LnNbO₄ (Ln=La, Nd), symmetry determination of room-temp. form by electron diffraction. 60-05714A
Pb K_α substrate for acoustic wave applications. 60-00555P
of Sr, with structure of tetragonal bronze. 60-03133A
YZ-LiNbO₃, suppression of harmonic generations of SAW. 60-02715A
alkali and alkaline earth, physical-electrical properties, effect of gamma irradiation on. 60-04006A
- Niobium.**
Nb₂Ti₂O₇, structural features. 60-04429A
NbB₄, crystals, hardness of. 60-05620A
NbO₂, on-state decay in. 60-03137A
NbO₂, NbO₂, and NbCl₅, high-pressure resistivities of. 60-01535A
coatings, for joining ceramic to metal. 60-00588P
on graphite, CVD of. 60-01738A
pentoxide, high-temp. reaction with Nb carbide and Ti carbide. 60-01907A
- Nitrates.**
Al, solutions, production of Al₂O₃ from. 60-04198P
RbNO₃, V, CsNO₃, and CsNO₃, IV, structure determination of high-pressure phases. 60-04432A
alkali, fused, kinetics of ion exchange with alkali aluminoborosilicate glass. 60-00156A
molten, heat storage in. 60-05370A
molten, ion-exchange reactions with germanate glasses. 60-04779A
use to suppress S emissions, during melting of flat glass. 60-04975P
- Nitridation,**
of Si, effect of Fe, Ti, and Hf. 60-05604A
atm, effect on formation of reaction-bonded Si₃N₄. 60-04207A
ion, of Ti and Zr, by dc glow discharge. 60-01914A
thermal, of Si semiconductors, process for. 60-05338P
- Nitriles.** See also *Silicon nitrile*.
BN and AlN, hot-pressed ceramics based on, effect of adsorbed moisture on properties. 60-00707A
HfN, and TaN, electronic structures, calculations. 60-02013A
deposition by activated reactive evaporation. 60-01754A
TiN and TaN, diffusion barriers in metallizations to Si semiconductors. 60-02718A
carbo-, transition-metal, superconducting critical temp., effect of neutron irradiation. 60-03071A
films, deposition by ion beam sputtering. 60-01550A
oxy-, Si and Ge, thermal decomposition and heat capacity. 60-03230A; 60-05724A
Si, structural modifications under thermal constraint. 60-01983A
Si, thermodynamic properties. 60-05726A
glass-ceramics, preparation. 60-00366P
glasses. 60-01121A
glasses and glass-ceramics. 60-00238A
- rare earth, Knudsen cell vaporization. 60-01918A
structure, and crystal growth. 60-04032A
transition-metal, superconducting critical temp., effect of neutron irradiation. 60-03071A
- Nitrogen.**
and Al, products of reaction between, in low-temp. plasma. 60-01779A
NO_x, reduction with NH₃, evaluation of zeolitic catalyst for. 60-02947A
-containing ceramics, phase assemblages in. 60-03150A
oxide, device for photometric determination of. 60-05436A
pressure, sintering of Si₃N₄-Y₂O₃ under. 60-01973A
- Noise.**
1/f, measurement of. 60-00627A
abatement, in ball mills, through use of basaltic fibers. 60-04514A
combustion, in hand-glass industry. 60-03454A
emission, in cement industry, assessment. 60-02074A
prevention, in grounded thermocouple measurements. 60-04154A
thermal, in pyroelectrics, relation to dielectric response. 60-04039A
- Nose cones.** See *Spacecraft*.
- Nozzles.** See *Refractories*; *Spacecraft*.
- Nuclear industry.**
use of ceramics. 60-00608A
- Nuclear materials.**
B and Li, in mass spectrometric determination. 60-05425A
Eu carbide, method of making. 60-01645P
Li₂O, self-diffusion coeff. of Li in. 60-04117A
PuO₂, magnetic susceptibility of Na disilicate glasses containing. 60-01086A
PuO₂, diffusion of O in, dilatometric and thermogravimetric study. 60-05363A
PuO₂-UO₂, solid solution, oxidation behavior. 60-05380A
SiC, effect of heat treatment on density and structure. 60-05364A
Synroc, irradiation testing, using fast neutrons. 60-02797A
(Th,U)O₂, burnup-simulated, chemical state at high O potential. 60-05356A
ThO₂, fracture surface energy, temp. dependence. 60-04118A
U, detection by light-induced luminescence. 60-01685P
isotopic enrichment. 60-01646P
method for determination. 60-02867P
process for in-situ leaching. 60-04195P
U oxides, recovery by electrolysis. 60-00620P
U peroxide, apparatus for continuous precipitation. 60-05396P
U values, from lignite, ferric leaching. 60-05397P
(U,Pu)(C,N) and (U,Pu)N, high burnup simulated, self-diffusion of Pu. 60-05386A
(U,Pu)O₂, chemical diffusion of O in. 60-05355A
U/ceramic oxide and C/ceramic oxide, interaction studies. 60-02811A
UC, doped with Y, Zr, La, or Ce, self-diffusion of U. 60-05395A
UC and UCN, quenched-in defects in. 60-05383A
UO₂, -PuO₂, near- and nonstoichiometric solid solutions, O potential. 60-05381A
and ThO₂, Gruenisen parameter and lattice vibrational frequencies, temp. dependence. 60-01641A
doped with Cr₂O₃, fission gas release and swelling. 60-05368A
grain growth. 60-05369A
hot isostatic pressing. 60-05372A
lattice distortion and quadrupolar ordering. 60-04115A
measurement of mobility ratio and its effect on thermal conductivity. 60-05374A
pellets, coulometric determination of oxidation states. 60-02800A
pellets, from freeze-dried oxide microspheres. 60-01642A
powder, study of external friction during compaction. 60-02810A
reflectivity and emissivity as function of wavelength and polarization. 60-02809A
specific heat anomaly in. 60-05388A
spheres, flowchart for preparation by internal gelation. 60-02799A
surface energy determined by Hertzian indentation. 60-05391A
thermodynamic properties. 60-05394A
URu₂B₂, crystal structure. 60-05360A
Y₂O₃, identification. 60-04113A
by-products, of Polish power industry, used for construction materials, measurement of radioactivity. 60-01668A
carbides, U-Pu-mixed, method of making. 60-00615P
carbon, diamond-like, process for producing. 60-00619P
carboxylates of U, as starting compounds for oxide synthesis. 60-02798A
ceramic. 60-00608A
compacts, fuel, mfg. 60-00613P
crystals, (U,Pu)O₂, mixed, method of making. 60-01647P
fission density distribution, measurement by dielectric tracer method. 60-02804A
fuel, pellets, made from gel microspheres. 60-00611A
pellets, production. 60-04126P
fuel elements, determining fissile content. 60-01644P
fuel particles, process for coating. 60-05404P
fuels, BISO particles, measurement of gas permeability of pyrocarbon coatings. 60-05373A
Gd-containing, method for mfg. 60-05398P
- Pu-U sintered pellets, process for making. 60-01649P
Th-bearing carbide. 60-04122P
UO₂ and ThO₂, in-pile densification of porosity. 60-05371A
carbide, for fast breeder reactors, study. 60-05357A; 60-05358A; 60-05359A
dissolver for removing from fuel element segments. 60-02812P
irradiated mixed-oxide subjected to thermal transients, microstructural study. 60-05376A
mixed oxide, method for homogenizing. 60-04123P
particles. 60-04125P
particulate, method for treating. 60-01648P
pellets, high-density ThO₂-UO₂, fabrication. 60-02801A
pellets, process for making. 60-05405P
pellets, stochastic model for compaction in granulation. 60-05390A
recovery. 60-02817P
reprocessing apparatus. 60-00617P
rods, ventilating system for reprocessing. 60-05407P
solid solution carbide. 60-00621P
spent, method for processing. 60-05399P
spent, method for storing in repositories. 60-05400P
spherical-shaped elements, process for making. 60-05470P
stainless steel-clad mixed-oxide, effect of burnup on response to thermal transients. 60-04107A
triso-coated particles, method of evaluating integrity. 60-00616P
gels, aqueous bentonite, effect of cations on. 60-00609A
glasses, waste. 60-00610A
graphite, effect of porosity on thermal conductivity. 60-05366A
effect of residual strain on thermal conductivity. 60-05367A
process for gasification. 60-00618P
reactor, quantitative microanalysis by laser spectroscopy. 60-01640A
nitrates, molten alkali, heat storage in. 60-05370A
oxides, fluorite, measurement of thermo- and electro-transport in. 60-05375A
radioactive, fixation in glass matrix. 60-00612P
solids, crystalline, irradiation effects. 60-02030B
wastes, alternate forms, feasibility of solidifying. 60-05352A
apparatus for transferring. 60-04119P
concrete encapsulation for storage. 60-04120P
disposal, implication of new irradiation effect. 60-02805A
dissolution of intergranular amorphous phase in. 60-04116A
high-Al₂O₃, tailored. 60-04112A
management, scientific basis. 60-03292B
methods for consolidating. 60-02814P
mineral ceramics for long-term storage. 60-05377A
phase relations in system UO₂-CeO₂-ZrO₂-ThO₂. 60-05382A
radioactive ferrocyanide, conversion to immobile glasses. 60-04121P
radioactive, storage materials for. 60-02807A
recovery of U from. 60-04124P
relevance of irradiated and metamict materials. 60-04114A
research at Penn State. 60-05379A
solvent, method of treating. 60-05402P
stabilities, and geochemical interactions in repositories. 60-05389A
treatment. 60-05406P
use of cement and concrete in management. 60-05354A
- Nucleation.**
-controlled overgrowth, of Si on SiO₂. 60-05661A
crystal, in Li disilicate glass, kinetics. 60-03574A
in Na₂O-2CaO-3SiO₂ glass. 60-00125A
rate in 2Na₂O-CaO-3SiO₂ glass. 60-00274A
in splat cooled Li₂O-SiO₂ glasses, role of phase separation. 60-03660A
of glass-ceramics, study of the effect of electric fields. 60-03566A
of glasses. 60-01111A
and DTA. 60-03622A
slag-based. 60-01110A
homogeneous, of oxide precipitates in Czochralski-grown Si. 60-03100A
rates, stationary and nonstationary, of 2Na₂O-CaO-3SiO₂ crystals. 60-01166A
steady state crystal, in glasses, analysis of. 60-04664A; 60-04665A
in systems, diopside-devitrite. 60-01120A
- Olivines.**
synthetic, crystal structure. 60-03053A
- Opacification.** See *Enamels*; *Glass*; *Glasses*.
- Opacifiers.** See *Additives*.
- Optical devices.**
acousto-, using tellurite glass. 60-03722P
cables, fiber, terminating. 60-03789P; 60-03815P
submarine fiber optic. 60-00380P
channel branches, optical waveguide, in Ti-diffused LiNbO₃. 60-01119A
converters, wave mode, using strain-optic effect. 60-02324A
for electrochromic display, ceramics for. 60-01582P
elements, from glass and polymer materials, method for making. 60-01265P
transmission, method of making. 60-00346P
fiberscopes, from leached fiber image bundles. 60-00227A

- lens blanks, with reduced finishing allowances, fabrication. 60-03507A
- lenses, Fresnel, in waveguides. 60-02285A
- apparatus for supporting during heat treatment. 60-00305P
- composite glass-plastic, resistant to shaling fracture. 60-03735P
- composite glass/plastic, direct casting. 60-00312P
- electron, apparatus for determining focal length. 60-02866P
- eyeglass, glasses for. 60-02392P
- glass-plastic, method for casting. 60-02415P
- graded-index rod, fiber coupling using. 60-01045A
- lightweight laminated photochromic. 60-03760P
- microsphere coupling, method for mounting on optical fibers. 60-04961P
- ophthalmic, Si chip speeds automation. 60-03529A
- ophthalmic, polishing material for. 60-00365P
- and plates, omateal, method of making. 60-01275P
- thin film Fresnel, on SiO_2/Si substrate. 60-04022A
- method of making. 60-02425P
- microlenses, for coupling fibers to film waveguides. 60-01096A
- for coupling laser and fiber. 60-02251A
- high index, for GaAlAs laser-fiber coupling. 60-02647A
- tipped on fibers, for (In,Ga)As(P) laser coupling improvement. 60-02311A
- preforms, method of making. 60-01271P
- rods, light-focusing, determination of refractive-index profile. 60-00633A
- storage media, Ag halide information. 60-02446P
- thin layer, nonlinear. 60-01614P
- waveguides, Ge-Si quartz glasses for. 60-04750A
- monolithic optical, with plurality of cores. 60-00356P
- multichannel for making. 60-04964P
- multicomponent optical, with index gradient. 60-00357P
- optical fiber, with effective refractive index profile. 60-03795P
- planar optical, with metal oxide film. 60-00364P
- Optical materials.**
- LiNbO₃, white-light image processing with. 60-00299A
- Si₃N₄, light-transmitting. 60-05533P; 60-05534P
- absorption, photoacoustic measurements. 60-05286A
- cables, fiber, terminating. 60-03789P; 60-03815P
- coatings, for fusion lasers. 60-01557A
- on plastics, ion plating. 60-01542A
- electro-, bending strength. 60-05264A
- fiber preforms, fluorescence profiling. 60-03513A
- lightguide, mfg. 60-03587A
- method of making. 60-00343P; 60-03774P; 60-03779P
- nondestructive testing. 60-00644P
- refractive-index and geometry, nondestructive measurement. 60-00228A
- tubes, method for exhausting. 60-04952P
- fibers, CVD using rf plasma. 60-03790P
- SiO₂, effect of purity of reactants on attenuation. 60-00185A
- acoustic sensitivity predictions using Brillouin scattering. 60-03429A
- apparatus for mass producing. 60-02363P
- birefringence induced by bends and twists. 60-00111A
- bundle termination. 60-03745P
- clad, pressure sensitivity of. 60-01135A
- core, method for making. 60-01261P
- device for organizing. 60-03740P
- double crucible method for making. 60-00313P
- double crucible system for producing. 60-03741P
- drawing of. 60-03476A
- drawing, method for monitoring. 60-01263P
- fabrication. 60-00360P; 60-04981P
- fabrication process. 60-03793P
- glass. 60-04942P
- glass made by double crucible technique, optical properties. 60-01118A
- glass, deviations from linearity in dependence of elongation on force. 60-04704A
- glass, having surface compression, static fatigue in. 60-00273A
- glass, statistics of tensile strength. 60-03678A
- graded-index, for field trials. 60-01058A
- graded-index, loss measurement using dummy fiber. 60-01115A
- graded-index, measurements of mode conversion coeffs. 60-00209A
- graded-index, method of making. 60-04973P
- graded-index, process for making. 60-02440P
- graded-index, profile dispersion characteristics. 60-01138A
- graded-index, transmission characteristics. 60-01189A
- high durability, made from multicomponent glass. 60-03794P
- with high stability to nuclear radiation. 60-02433P
- high-bandwidth, measurement of propagation constants related to material properties. 60-01088A
- laying head for cable production. 60-02432P
- loss reduction in. 60-01083A
- low loss. 60-00201A
- measurement of diameter using Fourier transform. 60-00208A
- measurement of refractive-index from exit-radiation pattern. 60-02308A
- mechanical reliability of. 60-00211A
- mechanical tempering of. 60-01090A
- method for coating. 60-03769P
- method for mounting microscope coupling lenses on. 60-04961P
- method of making. 60-01272P; 60-01276P; 60-02427P; 60-04971P; 60-04980P
- mfg. 60-01281P
- mfg. and properties. 60-03627A
- mfg. by double-crucible method. 60-00202A
- monitoring composition of glass particulate during production of. 60-01258P
- for operating wavelengths longer than 2 μm . 60-01114A
- photosensitivity effect in. 60-04825A
- polarization-preserving. 60-04987P
- process and apparatus for making. 60-02438P
- process for making. 60-01289P
- production by high-rate MCD. 60-00177A
- profiles, using refracted near-field technique. 60-03629A
- protection. 60-00370P
- semiproduct for, method of making. 60-01267P
- step-index, core diameter measurement. 60-01060A
- strengthening by porous glass process. 60-00124A
- theory, implications in mfg. 60-03588A
- filament preforms, apparatus and method for making. 60-01205P
- filaments, glass, method of making. 60-03785P
- films, multilayer nonreflecting. 60-03792P
- properties. 60-02332A
- glass. 60-00361P; 60-01282P; 60-01283P; 60-03796P; 60-03797P
- Ag halide photochromic, effect of composition on darkening and fading. 60-01023A
- Be fluoride. 60-03439A
- with I added to increase strength. 60-01234P
- PbO-doped, as radiation emission protection. 60-03708A
- articles with protective plastic coatings. 60-03798P
- chemical durability. 60-00986A
- heat-absorbing. 60-04983P
- ir transmitting. 60-03561A
- mechanism of polishing. 60-03602A
- quartz, relation between temp. and spectral absorption coeff. 60-02300A
- radiation-coloration-resistant, with high water content. 60-03649A
- solarization- and irradiation-resistant. 60-03809P
- waveguide, spectrometric determination of B, Ge, P, and Si in. 60-00131A
- index matching fluids, for long wavelengths. 60-02299A
- ir, potential of Ge-As-Se-Te glasses as. 60-03640A
- metal oxide layer, of vitreous substrate, method of forming. 60-04970P
- minerals, nonopaque. 60-03282B
- preforms and fibers, high strength. 60-02401P
- waveguide, method of making. 60-03784P
- windows, ir, surface passivated alkali halide. 60-05003P
- Optical properties.**
- Kerr effect, in long fibers. 60-03626A
- of TiC₂. 60-03140A; 60-03141A
- absorption, in Ti-rich ternary glasses. 60-04814A
- of alkali borate glasses containing Nd. 60-01113A
- extremely low, method for measuring. 60-01672A
- of semiconducting WO₃ glasses. 60-00993A
- uv, of GeO₂ glasses, effect of OH. 60-01021A
- absorption edge, of SiO₂. 60-03139A
- birefringence, of Fe₂BO₃. 60-03083A
- of coatings, clay. 60-01485A
- dielectric, deposited on polished glass. 60-02323A
- constants, of anisotropic materials. 60-01886A
- of borate glasses. 60-04794A
- of crystals, absorbing uniaxial, ellipsometric determination. 60-01011A
- elasto-optic effect, in BaTiO₃. 60-03072A
- excitations, in small particles and thin films. 60-04375A
- of fibers, glass, insulation, relation of heat transfer to. 60-00254A
- glass, made by double crucible technique. 60-01118A
- of films, As₂S₃, photoinduced changes of. 60-02683A
- ZrO₂. 60-01116A
- waveguiding, determination with Abbe refractometer. 60-01012A
- of glasses, Cl- and Br-containing fluorophosphate. 60-04817A
- O-free chalcogenide, effect of cooling rate in critical annealing region. 60-03558A
- borate, containing transition metal oxides. 60-02322A
- oxide. 60-01034A; 60-01035A
- rare-earth-doped BeF₂. 60-00288A
- of lasers, MgO:Ni²⁺. 60-02677A
- piezo-, coeffs. of four Nd-doped laser glasses. 60-00242A
- of powders. 60-04153A
- reflectance, of Si-rich SiO₂ films. 60-02243A
- scintillation, of Ce-containing phosphate glasses. 60-03665A
- spectral loss, of GeO₂-P₂O₅-SiO₂ fibers, effect of deposition rate on. 60-02269A
- stress coeffs., of chalcogenide glasses. 60-03681A
- stress effects, in optical waveguides. 60-00277A
- of systems, CdS-CdSe. 60-02250A
- transmission properties, of VAD fibers. 60-02350A
- waveguide losses, in glass, reduction and control. 60-04845A
- of waveguides, gyromagnetic, YIG on GGG substrates. 60-00512A
- made by porous glass process. 60-01117A
- Optics.**
- beam splitter, variable birefringent. 60-04163A
- metal vs glass. 60-03605A
- reflective, Zerodur glass-ceramic for. 60-03721A
- Ors.**
- Al, mfg. pure Al₂O₃ from. 60-00685P
- Pb-Zn, smelting, phase transformations during. 60-00433A
- containing U and Th, field method for detecting. 60-00643P
- leucite, process for exploitation. 60-04189A
- nepheline, Belogorsk, as flux in mfg. floor tiles. 60-03949A
- Organic compounds.** See specific types.
- Orientation.**
- effect on thermal diffusivity, of hot-pressed Si₃N₄. 60-03143A
- Orthopyroxenes.** See Pyroxenes, ortho-.
- Orthosilicates.** See Silicates, ortho-.
- Oscillations.**
- spectra, of glasses in system As-Se. 60-04819A
- Ovens.** See also Furnaces; Kilns.
- bottle, last firing with coal, in England. 60-00010A
- coke, patching. 60-01335A
- refractories for. 60-01374A
- refractory patching and sealing material for. 60-03924P
- drying, with heat reclamation and air pollution control. 60-01706P
- microwave, safety of glass jar use. 60-04758A
- self-cleaning, enamels for. 60-04596A
- tile, apparatus for loading. 60-00624P
- Oxidation.**
- of Cu⁺, in glasses. 60-01015A
- of PuO₂-UO₂, solid solution. 60-05380A
- of Si₃N₄. 60-01937A
- phase changes during. 60-03112A
- of W, at high temp., method for inhibiting. 60-02229A
- effect on strength and porosity. 60-05607A
- and frictional heating, theory of wear. 60-01900A
- high-pressure, of Si, doping effects and impurity segregation during. 60-03095A
- of Si, process for. 60-05340P
- high-temp., of disilicides in system MoSi₂-TiSi₂. 60-03096A
- kinetics, of CuFeO₂, in system Cu-Fe-O. 60-03145A
- of hot-pressed and sintered alpha-SiC. 60-04377A
- mechanisms, in TiSi₂ films on Si substrates. 60-05285A
- mechanochemical, of Si₃N₄. 60-04368A
- plasma, semiconductor. 60-01630P
- reduction behavior, of Sb₂O₃ in borate and silicate glasses. 60-00235A
- reduction equilibria, of Fe and Ce in silicate glasses. 60-00236A
- resistance, of oxide-bonded SiC refractories. 60-00430A
- resistant refractories, made of SiC. 60-05124A; 60-05125A
- surface layer, of semiconductor substrate, process. 60-04809P
- thermal, of InP. 60-05298A
- of TaN films. 60-01572A
- of laser-recrystallized Si. 60-02616A
- of sintered α -SiC, B redistribution during. 60-04275A
- Oxides.** See Rare earths and specific types.
- Oxygen.**
- in Si, Czochralski-grown crystals, precipitation and redistribution. 60-03164A
- and Si diffusion, in vitreous SiO₂. 60-00237A
- anomalies, of oxide glasses. 60-04821A
- chemisorbed on LaCoO₃, spectroscopic study. 60-03243A
- contamination, in Si, low-temp. evaluation. 60-02668A
- content, of Si wafers, ir absorption evaluation. 60-02639A
- of Si₃N₄ powders, controlling. 60-00703A
- diffusion, in PuO₂. 60-05363A
- chemical, in (U,Pu)O_{2-x}. 60-05355A
- enrichment, of fuels, use in glass and ceramic industry. 60-05464A
- equilibrium pressures, of Mn-Zn ferrites. 60-04012A
- nonbridging, fraction, in K borate glasses, Moessbauer study. 60-01104A
- potential, effect on thermal creep of Nb₂O₅-doped UO₂. 60-04108A
- of near- and nonstoichiometric UO₂-PuO₂ solid solutions. 60-05381A
- precipitation, in Si, effect of ambients. 60-02628A
- pressure, effect on temp. of β - α Ca chromite transformation. 60-04310A
- self-diffusion, in single-crystal Al₂O₃. 60-03187A
- in single-crystal forsterite, coeff. 60-03186A
- sensors. 60-02778P
- mfg., method of joining ceramic members. 60-05330P
- process for making. 60-04083P
- sintered ZrO₂, for. 60-00603P
- pH.** See Hydrogen ion concentration.
- PLZT.** See Lead, PLZT.
- Palladium.**
- Pd/SiO₂, hydrogenation catalyst, suitable for H₂O, mfg. 60-01824P
- films, evaporated, interaction with single-crystal Si. 60-04023A
- Paints.** See Building materials; Glass.
- Particulates.** See also Colloids; Permeability; Porosity.
- Al₂O₃, spheroidal, method of making. 60-03007P
- CaO, vapor-phase hydration. 60-03244A
- GeO₂, used for optical fibers, structural properties. 60-03683A

- SiC, ultrafine, preparation by gas evaporation. 60-01776A
abrasive, BN. 60-00879P
clay or cement, storing or transporting in bulk. 60-04140P
colloidal, of magnetite (ferrites), kinetics of formation. 60-04025A
embedded, in strips of metallic glasses. 60-03813P
exhaust, diesel, traps for. 60-04235P
foreign, capture by crystal growing from melt. 60-00793A; 60-00769A
near face of growing crystal, behavior. 60-00768A
fuel, nuclear. 60-04125P
nuclear, method for treating. 60-01648P
reactor, triso-coated, method of evaluating integrity. 60-00616P
high-SiO₂, produced by flame hydrolysis, deposition properties. 60-02261A
hot-pressing of, method and apparatus. 60-02825P
inorganic, slurries, freezing of. 60-02999P
metallic, toughening of glasses by. 60-04899A
nuclear fuel, process for coating. 60-05404P
optical excitations in. 60-04375A
with a range of sizes, porosity. 60-05441A
refractory, for forming molds. 60-02556P
science. 60-03283B
shape, characterization. 60-02848A
size, analysis by pressure measurement in suspension. 60-05437A
size distribution, computer program for adjusting. 60-02833A
improvements in determination by linear analysis. 60-00636A
sizing of, powder classifier improves accuracy. 60-04131A
smoke, MgO, size distribution. 60-01975A
solid, randomly mixed, estimation of contacts between. 60-02837A
spherical, TiO₂, process for making. 60-01728P
strength and fracture of porous ceramic sintered from. 60-00831A
surfaces, specific, permeability methods for determining. 60-05438A
trajectory of, effect of accelerating deceleration and shape on drag in still air. 60-04145A
vermiculite, compositions. 60-05529P
- Pastes,**
cement, analytical electron microscopy of—comment on. 60-02085A
analytical electron microscopy of—reply to comment on. 60-02183A
effect of plasticizing agents on crystallization and structure formation during hardening. 60-04527A
effect of superplasticizers on. 60-02135A
electron microscopy analysis. 60-03337A
electron microscopy analysis—comment. 60-03335A
electron microscopy analysis—reply. 60-03336A
expansive, anodic polarization of reinforcement steel in. 60-04511A
portland. 60-03285B
portland, and C,S, effect of liquefying agents on properties and hydration. 60-02104A
clinker, compressed expansive, hydration characteristics. 60-00028A
dielectric, for thick film capacitor. 60-00540P
injectable, refractory compositions for. 60-00473P
lime-fly ash, hydration. 60-02128A
- Pegmatite,**
use, in glass and fine ceramics industry. 60-05482A
- Pelletization,**
of raw materials, for glass. 60-02455P
- Pellets,**
EuB₆, hot-pressing of. 60-02802A
Pu-U, sintered, process for making. 60-01649P
ThO₂-UO₂, high-density, fabrication. 60-02801A
UO₂, coulometric determination of oxidation states. 60-02800A
from freeze-dried oxide microspheres. 60-01642A
fuel, nuclear, fabrication from gel microspheres. 60-00611A
nuclear, process for making. 60-05405P
nuclear, production. 60-04126P
nuclear, stochastic model for compaction in granulation. 60-05390A
glass, B₂O₃, mfg. 60-02391P
kaolin, process for producing. 60-02922P
- Periclase,**
aggregates, bulk density determination by water method. 60-03869A
chromite, refractories, improving quality. 60-01361A
refractories, interrelations between properties. 60-01366A
refractories, behavior in gas flow with alkali additives. 60-01331A
-spinel, refractories, in Cu-Ni converters. 60-01379A
refractories, testing. 60-01362A
- Perlite,**
expansion, evaluation of kilns. 60-03875A
- Permeability.** See also *Porosity*.
dielectric, of materials at superhigh frequencies, study of temp. dependence. 60-01671A
gas, of isotropic pyrocarbon coatings, measurement. 60-05373A
of gases, through microporous glass membranes. 60-01122A
tests, for determining specific surfaces of particles. 60-05438A
water, of acid-resistant refractories. 60-05139A
- Permittivity.** See *Dielectric properties*.
- Pervoskites,**
ferroelectric, lattice modes in. 60-03119A
role of B-site cation disorder in transition behavior. 60-05692A
plumbate-type, synthesis. 60-05717A
-type slabs, compounds with. 60-05576A
-type structure, method of producing a dielectric with. 60-04082P
- Petrology,**
grossularite-pyroxene join, at 30 kbars. 60-01916A
and steel mfg. 60-01380A
- Phase diagrams.** See *Phase equilibria*.
- Phase equilibria.** See also *Systems*.
application, to ceramics and glasses. 60-05613A
assemblages, in N ceramics and their relations with properties. 60-03150A
compositions, of modified solid solutions based on PZT. 60-05664A
of subsolidus systems K₂O-V₂O₅-SiO₂ and K₂O-V₂O₅-Al₂O₃. 60-03151A
of systems CaO-Ca₂Ge₂O₇ and BaO-In₂O₃. 60-03162A
compounds, in system Nd₂O₃-CeO₂-ZrO₂-RuO₃, preparation and properties. 60-03168A
diagrams, of Al₂O₃-Eu₂O₃. 60-05666A
of Cu₂V₂O₇. 60-03234A
Zr-O, Zr-rich portion. 60-04403A
binary, relation to thermodynamic properties of phases. 60-05569A
of fluoride glasses in systems ZrF₄-BaF₂-MF₂ (M = Na, Ca, Ln, Th; n = 1, 2, 3, 4). 60-03455A
for liquefying glasses. 60-00133A
and relations between compositions in systems TiGaSe₂-TiGaSe₃ and TiInSe₂-TiInSe₃. 60-04383A
revised, for ThO₂-Nb₂O₅. 60-04416A
of solid electrolyte system Li₂GeO₄-Zn₂GeO₄. 60-03152A
of system Al₂O₃-Dy₂O₃. 60-05665A
of system Ba₂O₃-Li₂O-La₂O₃. 60-01938A
of system Bi₂O₃-PbO. 60-03225A
of system CeO₂-CaO-SrO. 60-05667A
of system CeO₂-SrO-BaO. 60-01941A
of system CsF-ZrF₄-P-T and T-x projections. 60-03147A
of system Fe-Fe₂O₃-CaO. 60-05668A
of system Ge₂Se₃-FeSe. 60-04382A
system MgO-TiO₂, determination using float zone method. 60-05593A
of system Mn₂O₃-Cr₂O₃. 60-01939A
for system Na₂O-V₂O₅-SiO₂. 60-04449A
in system Pb-Sn-Te, physicochemical study and conditions for preparation of (Pb_{1-x}Sn_x)₂Te crystals. 60-05675A
of system PbO-Gd₂O₃. 60-01940A
of system TiCl₄-NbCl₅-NaCl. 60-01993A
of system V₂O₅-Rb₂O. 60-01942A
of system ceria-yttria. 60-04385A
of systems Bi₂O₃-MO (M = Ni, Cu, Pd), subsolidus region. 60-00834A
of systems containing molybdates of Fe, Co, and Ni. 60-03153A
heterogeneous, in silions, calculation. 60-04277A
hydrothermal, studies in systems Ln₂O₃-H₂O. 60-04348A
immiscibility boundaries, of systems K₂O-SiO₂, K₂O-Li₂O-SiO₂, K₂O-Na₂O-SiO₂, and K₂O-BaO-SiO₂. 60-04397A
interactions, in system BaO-RuO₃. 60-05635A
in system Bi₂O₃-RuO₃. 60-03195A
in systems Ti₂O₃-Al₂TiO₃ and Ti₂O₃-MgTi₂O₇. 60-04356A
nonstoichiometry, of Y₂Fe₂O₇, Gd₂Fe₂O₇, and Y_{1-x}Gd_xFe₂O₇. 60-05660A
in oxide systems, refractory. 60-02522A
reactions, solid phase, in system PbO-SiO₂, kinetics. 60-04789A
solid state, in system CaO-Nd₂O₃-Fe₂O₃-Al₂O₃. 60-01977A
in system MgO-Cr₂O₃-CrO₂. 60-05727A
in systems CaCO₃-SiO₂ and MgCO₃-SiO₂. 60-03102A
relations, melting-point, for halides and oxides. 60-05652A
and ordering, in system dysprosia-ZrO₂. 60-00815A
solid state in system CaZrO₃-SrZrO₃-BaZrO₃. 60-05700A
solid state, in systems BeO-MgO-CeO₂, SrO-MgO-CeO₂, BaO-MgO-CeO₂, and BaO-CaO-CeO₂. 60-03209A
subsolidus, in ternary system MgO-Al₂O₃-P₂O₅. 60-05712A
in system A₂O-metal oxide-WO₃ (A = Li, Na; metal = Fe, Cr, Sn, Zr, Th, V). 60-05671A
in system Ag-Au-S. 60-03027A
in system CaAl₂O₄-CaGa₂O₄. 60-04389A
in system Cr-W-O. 60-00816A
in system Cu-U-O. 60-05612A
of system LiVO₃-NiO, and properties of LiNiVO₃. 60-04390A
in system Na₂O-SiO₂-SnO₂-H₂O. 60-03157A
in system Si₃N₄-Al₂O₃-SiO₂, and microstructure. 60-05669A
in system Si-Sc-O-N. 60-04374A
in system UO₂-CeO₂-ZrO₂-ThO₂, nuclear waste. 60-05382A
in system UO₂-ThO₂-MgO. 60-05670A
in system Y₂O₃-Y₂O₃-WO₃. 60-00802A
of silicates, dicalcium. 60-05706A
systems, AgGaS₂-AgGaSe₂. 60-04443A
AlPO₄-SiO₂. 60-04444A
B₂O₃-TeO₂, physicochemical studies. 60-05673A
B-Si. 60-05568A
- BPO**. AlPO₄-SiO₂. 60-03216A
6CaO-2Al₂O₃-15SiO₂, with addition of SiO₂. 60-03457A
CaO-Al₂O₃, mass-spectrometric and electrochemical studies. 60-04366A
CaO-Al₂O₃-MgO-SiO₂. 60-01987A
CaO-Al₂O₃-P₂O₅-H₂O. 60-04570A
CaO-MgO-Cr₂O₃-Al₂O₃-ZrO₂-SiO₂, structure of subsolidus region. 60-04434A
CaO-SiO₂, two-phase region. 60-04903A
CdAs₂-CdI₂. 60-00836A
Cu₂-S-PbS-FeS-ZnS. 60-03217A
Cu-O dissolved in glass, relation to Cu ruby formation. 60-04896A
Fe-Al-O. 60-00814A
Gd-C-N. 60-05719A
InAs-CdTe. 60-04386A
K oxide-Al₂O₃. 60-01908A
K₂B₂O₇-CdTiO₃-NdNbO₃, physicochemical study. 60-03163A
Li₂O-Cu₂O-B₂O₃. 60-03218A
Li₂O-TiO₂. 60-01944A
LiNbO₃-LiTaO₃-NaNbO₃-NaTaO₃, crystal chemistry and dielectric study. 60-03051A
MgMoO₄-Ln₂(MoO₄)₃ (Ln = La, Gd). 60-03154A
MgMoO₄-Ln₂MoO₄ (Ln = Sm, Yb, La). 60-03155A
MgO-CaO-SiO₂-Al₂O₃-Fe₂O₃-Cr₂O₃-O₂, analysis of quantitative phase. 60-00782A
MgO-ZrO₂ solid solutions, properties. 60-05684A
N₂K₂CaCl₂MoO₄. 60-00837A
NH₄-SO₃-P₂O₅-H₂O and NH₄-SO₃-P₂O₅-H₂O. 60-03221A
Na halide-Cs halide. 60-00830A
Nb-Ti-O. 60-04387A
SmCl₃-SmCl₃. 60-00838A
SrO-Al₂O₃. 60-04445A
TeO₂-MoO₃-V₂O₅. 60-00240A
(Ti,Zr,Hf)-Gd-B. 60-01997A
TiO₂-Pb-O. 60-03219A
Ti₂S-SnS. 60-04384A
Ti₂Te₂-Ti₂SnTe₂-Ti₂PbTe₂. 60-04446A
Ti-Sn-Te. 60-04388A
TlI-(Pb)SnI₃. 60-03156A
Y₂O₃-P₂O₅ and Gd₂O₃-P₂O₅. 60-03222A
ZnO-Fe₂O₃-SnO₂ and MgO-Fe₂O₃-SnO₂. 60-01994A
ZrO₂-Al₂O₃-TiO₂. 60-05720A
ZrO₂-Sc₂O₃-Yb₂O₃, Raman spectroscopy of fluorite-related phases. 60-00822A
alkali aluminoborosilicate glass and fused alkali nitrates. 60-00156A
fluorides and chlorides of Na. 60-03220A
gamma-Ca₂SiO₄-CaO, quantitative analysis. 60-03173A
reciprocal, composed of fluorides and chlorides of Li, Ca, and Ba. 60-03178A
solvent-ferrite, low-melting solvents based on MoO₃, physicochemical study. 60-05674A
solvent-garnet. 60-01943A
thermodynamics, of Cr₂WO₆ and Cr₂WO₆. 60-00816A
of Mn₂O₃-CoO₂, Fe₂O₃-Mn₂O₃, and Fe₂O₃-Co₂O₃, spinels. 60-04456A
of ferroelectric materials, during localization of electrons. 60-04457A
of reactions between Ge chalcogenides and A^{II}B^{VI}-type compounds. 60-00845A
for structural theories of ionic melts, limitations of. 60-05646A
of systems Na₂Ca₂IF₂Cl(Br,I). 60-03235A
in ternary reciprocal systems. 60-00844A
thermogravimetric study, of charges in system SiO₂-TiO₂-Al₂O₃-MgO-CaO. 60-05729A
transformations, in boehmite-derived transition aluminas. 60-03158A
of diamond ceramics. 60-03159A
of gamma-Al₂O₃ into alpha-Al₂O₃, quantitative determination of phases. 60-05685A
in glassy EuP₂O₇. 60-00241A
during reduction of Li ferrite. 60-04391A
in solid solution of CuO in MgO. 60-00817A
in system CaO-SiO₂-Cr₂O₃. 60-04552A
in system MgO-V₂O₅. 60-04437A
in system TiO₂-Sc₂O₃, by Raman scattering spectroscopy. 60-05710A
transitions, of MgO-B₂O₃ under high pressure. 60-05656A
in system (Pb,Ln)(Zr,Ti)O₆. 60-01945A; 60-01946A; 60-01947A
- Phase transformations.** See *Phase equilibria*.
- Phases,**
amorphous, intergranular, in nuclear wastes, preferential dissolution. 60-04116A
in clinkers, portland cement, effect of reaction atm on development. 60-00909A
devitrified, in 92% SiO₂-8% Al₂O₃ glass. 60-03471A
formed during sintering, of body containing kaolinite and montmorillonite. 60-04402A
grain-boundary, model for evaporation. 60-01929A
high-pressure, RbNO₃, V, CsNO₃, III, and CsNO₃, IV, structure determination. 60-04432A
of ZrO₂ and HfO₂. 60-03132A
liquid and solid, properties and interfaces between. 60-00821A
metastable, from CF₄ reactions. 60-01927A; 60-01928A
of refractories, chrome-dolomite. 60-05110A
second, effect on electrical and magnetic properties of ceramic materials. 60-02700A
turbostructure and graphite, in hard carbons, electron microscopy study. 60-04282A

- Phenacite.**
-type compounds, CdAl_2O_3 and $\beta\text{-Si}_3\text{N}_4$, thermal expansion. 60-05523A
- Phlogopite.** See *Mica*.
- Phosphates.** See also *Glass* and specific types.
Ca, reduction products, petrographic and XRD study. 60-04381A
K titanate, Raman and electrooptic properties. 60-02694A
Na, reaction of corundum refractories with. 60-03905A
Zr, ionic conductivity in. 60-03113A
alpha-Al, crystals, method of growing. 60-02769P
alpha-Zr, synthesis of Na dizirconium triphosphate from. 60-01992A
meta-, of alkaline earth metals, IR absorption spectra. 60-04353A
recovery of P from, method of refining the silicate slag obtained in. 60-02920P
refractories, production technology and uses. 60-02035B
- Phosphides.**
In, surfaces. 60-02710A
- Phosphors.**
Sr-Ca fluorapatite, fluorescent lamps containing. 60-03814P
glass, alkali and alkaline earth rare earth metaphosphate, fluorescent properties. 60-03514A
- Phosphorus.**
 P_2O_5 , role in silicate melts. 60-03181A
in cements, from alkali-rich materials, effect on phase composition and properties. 60-04526A
compounds, Second International Congress on, 1980, proceedings. 60-04483B
diffusion, in SiO_2 . 60-01522A
- Photochromic materials.**
glass. 60-01287P; 60-03638A
Ag halide, effect of composition on darkening and fading. 60-01023A
Ag halide, growth of photoinduced absorption in. 60-01087A
Ag halide, nonirradiated, relation between heat treatment and absorption spectra. 60-03658A
colored. 60-01225P
effect of gamma radiation. 60-04713A
at high excitation levels, darkening kinetics. 60-01006A
optically clear Cu halide. 60-00362P
optically detected transitions in. 60-04818A
photosensitivity, relation to temp. 60-00261A
thermochemical effects in. 60-00289A
layer, gradient, on glass, method for producing. 60-01095A
lenses, lightweight laminated. 60-03760P
- Photoconductivity.**
of pyrite, FeS . 60-01948A
surface and bulk, of $\text{CdS}(\text{Cu},\text{Cl})$ films. 60-02716A
- Photoconductors.** See *Conductors, electrical*.
- Photoelasticity.** See *Elasticity*.
- Photoelectric cells.** See *Cells*.
- Photoelectric effect.**
of LuRhO_3 . 60-03161A
in spinels, Mg-Al . 60-03160A
- Photography.**
color, process using polychromatic glass. 60-03734P
- Photometers.** See *Spectrophotometers*.
- Photometry.** See *Spectrophotometry*.
- Photosensitive materials.**
glass-ceramics, from aluminosilicate glass, structure and properties. 60-02280A
glasses, Li K aluminosilicate. 60-02405P
- Photosensitivity.**
in PLZT, enhancement by H- and He-ion implantation. 60-02685A
in fibers, optical. 60-04825A
of glasses, photochromic, relation to temp. 60-00261A
- Photovoltaic effect.**
energy conversion, use of ceramics in. 60-00499A
as energy source, relative cost. 60-01552A
of heterojunctions, $\text{SnO}_2\text{-Si}$. 60-01526A
- Physical chemistry.** See *Chemistry*.
- Physical properties.**
of Al-Y garnet, effect of additives on. 60-00785A
of Mg_2HfO_7 . 60-01984A
Pockels coeffs., in silicate glasses. 60-00984A
of Se, effect of experimental factors on. 60-03489A
of aluminates, perovskite-like, of Yb and Lu. 60-01959A
of cements, mortar and concrete, effect of $\text{Fe}(\text{II})$ sulfates. 60-03354A
of cermets, $\text{Al}_2\text{O}_3\text{-Fe}$. 60-02961A
of clays, raw brick. 60-01315A
expansion coeff. and Poisson's ratio, of inorganic glasses. 60-00974A
of glass-ceramics. 60-03685A; 60-03686A
effect of crystallization routes on. 60-01024A
of glasses, B_2O_3 , relations between density, refractive index, and structure at high and low pressures. 60-01150A
 $\text{B}_2\text{O}_3\text{-PbO-Fe}_2\text{O}_3$, effect of equilibration time on. 60-01061A
alkali-free F-containing borate. 60-00249A
based on composition, use of Mueller units for calculating. 60-01194A
borophosphate, containing R_2O and V_2O_5 [$\text{R} = \text{Li}, \text{Na}$]. 60-00103A
borosilicate, effect of radiation. 60-02271A
double-alkali Nb silicate. 60-01139A
inorganic. 60-04776A
in system As-Te-Al . 60-01180A
in system $\text{CaF}_2\text{-AlF}_3\text{-P}_2\text{O}_5$. 60-03518A
in ternary tellurite-halide systems. 60-01053A
of graphite, POCO . 60-02008A
of hydroxylapatite, sintered. 60-02967A
of insulations, residential. 60-01381A
of interfaces, between liquid and solid phases. 60-00821A
of piezoelectric materials, effect of preparation, factorial analysis. 60-05261A
of refractories, after exposure to high pressure gases. 60-03902A
reinforced with steel fibers. 60-03903A
rheology, of clays. 60-02910A
of solid solutions, based on Sb_2Te_3 . 60-03198A
ferro- and ferroaluminogarnets of Y and Gd. 60-04393A
of solids, amorphous, relation to density of states and structural forms. 60-01129A
space symmetry, of crystalline structures. 60-03200A
of spinels, in system Li-Mn-Fe-O . 60-03213A
of system $\text{Ge-Cr}_2\text{O}_3$ -electrolyte. 60-04324A
- Physicochemical properties.**
of AlN, high-density ceramics. 60-05682A
of cements. 60-02153A
Fe-containing C/S and C/S, during firing and cooling. 60-04521A
of clays, from Bina and Jhingurdah mines of Singrauli coal fields. 60-05222A
china, from Darugiri deposits of Garo Hills, Meghalaya, India. 60-05672A
of glasses, $\text{R}_2\text{O}(\text{Na}_2\text{O}, \text{K}_2\text{O})\text{-Al}_2\text{O}_3\text{-SiO}_2$. 60-04879A
Sn- and Ti-containing, effect of heat treatment. 60-04723A
alkali-free Ti-rich, changes during heat treatment. 60-04679A
alkali-free fluorosilicate, containing TiO_2 . 60-04836A
aluminoborosilicate. 60-04866A
binary, calculation of. 60-04676A
metaphosphates of mono- and divalent metals. 60-03639A
relations among thermal expansion, softening point, and Poisson coeff. 60-04851A
slag, relation between properties and structural parameters. 60-04853A
in system As-Se , relation to concentration. 60-04864A
in system F-containing alkali-free gallogermanate. 60-04753A
in system $\text{Na}_2\text{O-ZnO-B}_2\text{O}_3\text{-ZrO}_2\text{-SiO}_2$. 60-04865A
in system $\text{PbO-Al}_2\text{O}_3\text{-B}_2\text{O}_3$. 60-04880A
in system $\text{RO-Nd}(\text{PO}_3)_3\text{-SiP}_2\text{O}_7$ ($\text{RO} = \text{ZnO}, \text{SrO}, \text{CdO}$, and BaO). 60-01125A
in systems Ge-Te-Ga and Ge-Te-In . 60-04754A
of melts, oxide, measurement of. 60-03599A
of porcelain, effect of wollastonite. 60-05204A
of powders. 60-05649A; 60-05650A
of refractories, chrome-dolomite. 60-05110A
nitride-bonded SiC. 60-05107A
zircon-corundum, effect of glassy phase on. 60-05091A
of structure formation, in chromate-bonded Al_2O_3 . 60-04394A
of talite, effect of additives on. 60-04715A
- Physicomachanical properties.**
of quartz refractories, effect of surfactants on. 60-01349A
- Physics.**
 MgO:Cr^{2+} , observation of new centers in. 60-03136A
on-state decay, in NbO_3 . 60-03137A
radiating power, of nonisothermally heated cylindrical cavities. 60-04313A
solid state, literature guides. 60-02037B
- Piezoelectric materials.**
60-05092P; 60-01617P; 60-01618P; 60-01619P; 60-01620P; 60-02779P; 60-05333P; 60-05334P; 60-05335P
PZT, Ag-electroded, effect of neutron irradiation. 60-05365A
dielectric constant in transition region, changes in. 60-05572A
 ZnO , films, sputtered, characterization. 60-02612A
composite, method of making. 60-04075P
composition, electric-conducting. 60-05332P
crystal devices, adjusting frequency by fracturing. 60-00527P
films, crystalline, of ZnO , method of making. 60-00593P; 60-01621P
hoop-bound rings, method and device for measuring prestress. 60-05453P
method for making. 60-01604P; 60-02760P
method for preparing. 60-00568P
oxides. 60-00594P
physical properties, effect of preparation, factorial analysis. 60-05261A
plasticized with polymers, effect of gamma radiation. 60-05272A
powder, amplified and saturated readout echo. 60-05259A
quartz, bar, voltage development due to bending. 60-05303A
semiconductors, Brillouin scattering of laser radiation. 60-01565A
transducers, composite. 60-00545P
under uniaxial pressure, nonlinear charge release on. 60-04033A
- Piezoelectric properties.**
in composites, of polymers and PZT. 60-01553A
of polymers and PZT—correction. 60-05287A
in resistors, thick-film. 60-02866A
- Pigments.** See also *Color*; *Stains*.
Bi vanadate, method of making. 60-02597P
Cd red, decorating enamels based on. 60-03427P
of Minoan painted pottery, XRF-XRD analysis. 60-00882A
- black, Co-free. 60-01471A; 60-03953A
ceramic, for whiteware, history. 60-05192A
of willemitic series, based on NiO , MnO , and FeO . 60-01470A
for enamels. 60-04635A
green, bentonite-based. 60-05188A
inclusion, for whiteware, use. 60-01478A
inorganic, process for making. 60-05251P
for whiteware, method of making. 60-01505P
low-toxicity, optical structural study. 60-02593A
oxide, inorganic, method of treating. 60-00686P
red, Fe oxide, process for making. 60-01726P
white, Neuburg, initial material for sillinite. 60-05479A
- Pipe.** See also *Tile*.
SiC-W heat, for heat-temp. service. 60-02529A
clay, kilns, fiber lining for conserving energy. 60-02877A
vitrified, C-4 committee on. 60-03824A
coating, from cement kiln dust filter. 60-02215P
drainage, automated production. 60-03258B
glass, clear view for process plants. 60-03451A
insulation for, high temp. 60-02400P
porous, conveyor line for drying and firing, in Sverdlovsk Plant. 60-03829A
- Pistons.**
engine, ceramic insulated. 60-02987P
rings, $\text{TiO}_2\text{-Al}_2\text{O}_3\text{-Y}_2\text{O}_3$, facing for. 60-03021P
- Plasma.**
of ZrO_2 , HfO_2 , ThO_2 , and CeO_2 , deposition of crystals—correction. 60-05269A
development, process controller for. 60-04087P
etching, electronic device fabrication by. 60-04060P
hydrogen, electron cyclotron resonance, reduction of metal oxides by. 60-00825A
oxidation process, for forming oxide films on $\text{Hg}_1\text{-Cd}_2\text{Te}$. 60-05288A
reactions, process control. 60-04074P
stream, low-temp., thermal stability of magnesian ceramics in. 60-04228A
- Plaster of Paris.** See *Gypsum*; *Plasters*.
- Plasters, molds.** See *Molds*.
- Plasters.** See also *Gypsum*.
board factory at Quinto de Ebro, Spain. 60-02171A
cements, with inorganic and organic additives. 60-03374A
dehumidifying, additive for. 60-00052P
dry wall joint, and finishing compounds. 60-02203P
from ferrous sulfate. 60-03397P
gypsum. 60-00057P
hard, method of making. 60-00941P
production at Tabris, Iran. 60-02158A
retarder for. 60-00073P
in sacks, dispatch system. 60-02162A
treatment of. 60-00079P; 60-00080P
refractory. 60-03414P
samples, small, DSC-computer determination of gypsum and CaO in. 60-00631A
- Plasticity.**
of clays, brickmaking, rheological study. 60-05030A
of crystals, MgO , effect of high-temp. deformation. 60-05603A
- Plasticizers.**
super-, effect on cement pastes and mortars. 60-02135A
- Plastics.**
apparatus for molding. 60-00303P
cellular, granulated foam glass filler for. 60-01154A
coatings, optical, ion plating. 60-01542A
refractory, with fused Al_2O_3 -chrome grog. 60-01443P
reinforced, with glass fibers. 60-03506A
- Plating.** See *Coatings*.
- Platinum.**
condensation, on MgO grain boundaries. 60-04395A
films, on Sn oxide substrates. 60-05351P
- Plutonium.**
 PuO_2 , diffusion of O in, dilatometric and thermogravimetric study. 60-05363A
nuclear reactor using. 60-02815P
self-diffusion, in high burnup simulated $(\text{U,Pu})\text{C}_2\text{N}$ and $(\text{U,Pu})\text{N}$. 60-05386A
- Polarization.**
angle, for BaTiO_3 . 60-01845A
anodic, of reinforcement steel in expansive cement pastes. 60-04511A
de-, peaks in alkali silicate glass. 60-02305A
-preserving, optical fibers. 60-04987P
- Polishing apparatus.** See also *Abrasives*; *Diamonds*.
for glasses, Pb. 60-04890A
- Polishing.** See also *Abrasives*; *Diamonds*; *Lapping*.
chemical, of doubly rotated quartz plate. 60-04965P
composition, ZrO_2 -based. 60-04494P
glass, abrasive for. 60-00007P
optical, mechanism. 60-03602A
optical, stability of foam formed during. 60-03675A
silicate, application of grazing X-ray reflection to. 60-03445A
lenses, ophthalmic, material for. 60-00365P
preparation of cermics by, as a function of load and speed of rotation. 60-01678A
single crystals, or Gd Ga garnet, method for. 60-00567P
of test specimens, and classification according to porosity. 60-04160A
of wafers, semiconductor. 60-04080P
- Pollution.**
air, changing of rules in cement industry. 60-04467A
measurements, present trends in interpretation. 60-00854A

- prevention in brick and tile industry. 60-05024A
prevention in brick production. 60-02461A
in brick industry, water treatment system for prevention. 60-05038A
capture studies, in glass pellet beds. 60-02290A
control, effect on glass industry. 60-02276A
in enameling industry in Gt. Britain. 60-02226A
in mineral fiber-forming. 60-00320P
emissions, from glassmelting furnaces, effect of production processes. 60-00141A
kiln, Pb-F cleaner system. 60-02889A
environmental protection legislation, effect on European lime and cement plants. 60-00027A
level prognoses, for licensing procedures in cement industry. 60-02172A
process for abating, in glass industry. 60-00318P
suppression, in mineral fiber mfg. 60-01303P
- Polyelectrolytes.** See *Electrolytes*.
- Polymerization,**
chemical, formation of $\text{TiO}_2\text{-SiO}_2$ glasses by. 60-00166A
- Polymers,**
positronium formation and decay, electric-field effect on. 60-04730A
- Polymorphs,**
 Bi_2O_3 , Sb_2O_3 -stabilized, thermal expansion. 60-00840A
- Polymorphs.** See *Phosphates*.
- Porcelain, art.** See *Art and artwork*.
- Porcelain.** See also *Bodies, ceramic; Dinnerware*.
 Al_2O_3 , suitability of SiO_2 from agricultural waste for improving. 60-03974A
American. 60-02026B
Chinese, Persian variations. 60-03325A
presented by Ferdinand I de Medici to Christian of Saxony. 60-03308A
Delft, plates, and their models. 60-03956A
of Novgorod, history. 60-05757B
calcined. 60-03983P
components, for reception of screw fasteners. 60-04055P
composition, partially devitrified, method for making articles from. 60-04084P
decorative, in ancient China. 60-00889A
electrical, dry pressing, in Czechoslovakian plant. 60-00483A
factories, French, continuing relations with Doccia factory. 60-03955A
faience, industry, handbook. 60-05753B
glass phase, determination of thermodynamic characteristics. 60-05199A
glazes, thermal analysis of maturing. 60-05230A
glazing, microscopic characterization. 60-05218A
industry, in Uzbekistan. 60-03284B
mechanical resistance, improvement. 60-02589A
mullite, kinetics of dissolution in alkali and alkaline-earth melts. 60-03965A
production, at Karlovarsky factory, Carlsbad, Czechoslovakia. 60-00489A
sintering, with addition of system $\text{SiO}_2\text{-Al}_2\text{O}_3\text{-MO-MO}_2\text{O}$ glasses. 60-05229A
phase variations during. 60-05221A
sintering characteristics. 60-02595A
structure and properties, effect of wollastonite. 60-05204A
triaxial, fast firing. 60-01477A; 60-02584A
use of clays, Jhingurdah, from Singrauli coal fields. 60-01496A
- Pores.** See also *Porosity*.
formation of, during oxidative annealing of $\text{Al}_2\text{O}_3\text{-Fe}$. 60-01954A
- Porosity.** See also *Permeability*.
of Li_2O , dependence on thermal diffusivity and thermal conductivity. 60-05677A
in P/M materials, sintered, calculation. 60-04278A
of ceramic bodies, relation of creep to. 60-04415A
of coatings, clay. 60-01485A
controlled, refractory materials with. 60-02558P
of graphite, nuclear, effect on thermal conductivity. 60-05366A
importance, in choice of lightweight aggregates. 60-04554A
intergranular, in UO_2 and ThO_2 , in-pile densification. 60-05371A
of particles, with a range of sizes. 60-05441A
of substrates, method for decreasing. 60-01584P
- Porous materials.** See also *Cements; Concretes; Insulation, thermal*.
 SiO_2 , pure, process of preparing. 60-00691P; 60-00762P
carriers, for controlled release of proteins and hormones in mammals. 60-00758P
composition for, and crushability characteristics. 60-00751P
glasses, heat conduction of. 60-04763A
localization of H-centers in. 60-03592A
moist, drying and conditioning of beds. 60-02895A
quartz. 60-04988P; 60-04989P
refractory, cordierite, SiO_2 , Al_2O_3 . 60-03926P
heat insulating. 60-01445P
sintered, from spherical particles, strength and fracture. 60-00831A
spodumene and petalite. 60-01486A
structural. 60-05758B
whiteware, coating for. 60-05236P
- Portland cement.** See *Cements, portland*.
- Positrons,**
lifetime, in silicate glasses, effect of liquation. 60-04718A
- Potash feldspar.** See *Feldspar*.
- Potassium.** See also *Alkalies*.
-Ca, cation-exchange sites in aluminosilicates, heterogeneity of. 60-01905A
 K_2O , in glass and raw materials, determination using ion-selective electrodes. 60-04700A
 K_2SO_4 , structure at high temp. 60-05709A
 K-Ta-F-O_3 , structure. 60-05708A
 $\text{K}_2\text{V}_2\text{O}_7$, high pressure synthesis. 60-01906A
 $\text{K}(\beta\text{SiMoW}_2\text{O}_{19})\cdot 9\text{H}_2\text{O}$, crystal structure. 60-05583A
 KCl , F-coloring efficiency in, temp. dependence. 60-01995A
 KTaO_3 , semiconducting, electrical conduction. 60-04209A
/Na, ion exchange, pressure dependence of interdiffusion coeff. 60-05679A
-W, bronze, high-density, XRD and electrophysical study. 60-05741A
for plant growth, use of mica waste as source. 60-01796A
sulfate, molten, electrochemical corrosion of Fe Mn aluminate spinel and La chromite. 60-01890A
titanate phosphate, Raman and electrooptic properties. 60-02694A
- Potentiometers.** See *Resistors, electrical*.
- Potters.** See *Artists*.
- Pottery industry,**
Hemstocks Ltd., flower pots and specialty items. 60-02579A
Pb, removal. 60-01487A; 60-01488A; 60-01489A
in U.K., outlook for. 60-05189A
decorating machines, history. 60-05408A
energy conservation. 60-01475A
exports, from U.K. 60-05231A
molds, effect of polyvinylchloride emulsion on quality. 60-05200A
ventilation and drying systems, at Alexandra, of the Wedgwood Group. 60-02596A
- Pottery.** See also *Archaeology; Art and artwork; Bodies, ceramic; Design; Dinnerware; Stoneware; Whiteware*.
Aco- and Sarius-type, at Faenza. 60-03323A
Durante, 17th century. 60-02066A
Hellenistic and Roman, from Benghazi, analysis. 60-02053A
Hueco and Guadalupe Indian, analysis of U content. 60-00924A
Iron Age, from Switz. and Ger., composition. 60-00009A
Mexican, problems with Pb. 60-03970A
Minoan, analysis of pigments. 60-00882A
Nigerian, tradition and technique. 60-03324A
Pueblo, lesson from. 60-00014A
Qatari, ancient, Moessbauer study of origin. 60-00893A
Romano-British, spectrophotometric analysis. 60-02054A
Spode, willow pattern, and other designs after the Chinese. 60-00866B
Turkish, X-ray fluorescence analysis. 60-00903A
archaeological, Amazonian, DTA of. 60-03311A
bottle oven, last firing with coal, in England. 60-00010A
decorative, in ancient China. 60-00889A
glazes, book of recipes. 60-02033B
kilns, fiber. 60-00016A
three-chambered climbing. 60-00017A
majolica, from Antwerp, acquired from National Museum of Ceramics at Seves. 60-03319A
from Giuseppe Finck's shop in Bologna. 60-02067A
from Turin, A.D. 1615-1630. 60-03320A
Urbino, in collections of Cosimo I, Cardinal Ferdinand, and Francis I de' Medici. 60-02068A
devotional, at Municipal Museum of Rimini, 16th century. 60-03310A
from factory of Fontanas. 60-03321A
plate with religious motif, at Museum of Faenza. 60-03331A
protomajolica, of Brindisi. 60-03327A
Gela-type, with decorations of North African influence. 60-03314A
rib forms and functions. 60-00896A
stoneware, by John H. Sonner, Strasburg, Va. 60-02561A
- Pottery-making equipment.** See *Dryers; Kiln furniture; Kilns*.
- Powders.** See also *Granular materials and specific types*.
 Al_2O_3 , beta', spray-frozen/freeze-dried, stability. 60-01966A
high pore volume. 60-00745P
 $\text{Al}_2\text{O}_3\text{-TiO}_2$, plasma-prepared, structure. 60-00731A
 $\text{Al}_2\text{O}_3\text{-Cr}_2\text{O}_3$, effect of Cr concentration and particle size on ESR linewidth. 60-04351A
Ba and/or Sr titanate, molten salt synthesis. 60-01724P
Co or Ni, with precipitates, process of making. 60-01833P
 Fe_2O_3 , acicular, sintering. 60-04421A
 MgO , ultrafine, preparation by spray-ICP. 60-01775A
 Si_3N_4 , O content, control. 60-00703A
alpha-, method for producing. 60-04244P
SiC, beta-, process for producing. 60-00470P
containing B component, method of making. 60-00451P
effect of shape of grains on properties of refractories. 60-00418A
method of making. 60-00466P
plasma preparation by vapor phase reaction. 60-00767A
preparation by gas evaporation. 60-02969A
 SnO_2 , conductive, process for preparing. 60-02787P
Sr hexaferrite, ceramic and magnetic properties. 60-02939A
Th oxide, sinterability and thermal conductivity. 60-01971A
Ti boride, C-containing, method for making. 60-04266P
TiC-WC base, for cemented carbide alloys, process for preparing. 60-05543P
WC, production of high-density sintered parts from. 60-01778A
- WO_3 , electrical properties. 60-01888A
ZrC, impurities in. 60-01756A
 ZrO_2 , Y_2O_3 -stabilized, preparation by high-temp. hydrolysis. 60-03169A
- characterization. 60-02940A
abrasive, for polishing glass. 60-00007P
binary, inhomogeneous, sintering. 60-05698A
carbide, ultrafine, process for preparing. 60-05493P
cement, apparatus for heat treatment. 60-00078P
thermal treatment with hot gases, apparatus. 60-00062P; 60-00063P
cement-based, water-repellent composition. 60-00935P
characterization, optical. 60-04153A
classifier, improves particle sizing accuracy. 60-04131A
compacts, WC. 60-01839P
composition, for coating glass containers. 60-03801P
dielectric body made from. 60-02740P
enameling with. 60-02236P
ferrite, chemical preparation. 60-05290A
process for making. 60-05342P; 60-05343P
process of preparing. 60-04095P
spherical grain, process and apparatus for making. 60-00595P
flame spray, for enameling. 60-00966P; 60-00967P; 60-00968P
magnetic, based on gamma- Fe_2O_3 , process for making. 60-00598P
mechanochemistry of. 60-05649A; 60-05650A
metallo-thermic. 60-00971P
mixed, fluorescence. 60-04330A
nonmetallic, grinding and mixing. 60-01652A
oxides, of metals, method for making. 60-05494P
piezoelectric, readout echo. 60-05259A
preparation, nonconventional techniques. 60-01768A
pressing, mechanics. 60-01763A; 60-01764A; 60-01765A
quartz, electrical conduction in. 60-03074A
refractory, high-melting, synthesis. 60-04442A
metal boride, preparation. 60-01447P
properties and use. 60-05106A
sialon, decomposition during plasma spheroidization. 60-04292A
sillimanite, shock-induced transformation. 60-03189A
systems, CdS-CdSe solid solutions, electrical and optical properties. 60-02250A
thermal treatment, with hot gases, method and apparatus. 60-03402P
welding, granulation. 60-04616A
whiteware, forming pressure effects in compaction and firing. 60-02586A
- Power.** See *Energy*.
- Pozzolans.** See *Cements; Mortars*.
- Precipitates,**
TiC, in TiB₂, spectroscopic study. 60-04436A
- Precipitation,**
in LiF-MgF₂, solid solutions. 60-05678A
of SiO_2 , process for. 60-02928P
co-, automatic pH control system for. 60-05424A
synthesis of high-refractive glasses by. 60-03696A
continuous, of U peroxide, apparatus for. 60-05396P
oxygen, in Si, effects of ambients. 60-02628A
preferentially oriented, in MnTiO₃ crystals. 60-04398A
in sapphire, star. 60-01955A; 60-01956A; 60-01957A
- Precipitators,**
electrostatic, in cement industry, corrosion damage to internal parts. 60-02090A
for emission control on Na₂O-CaO furnaces. 60-00152A
filtering, design of. 60-02119A
- Presses,**
brick, frame with prestressed columns. 60-03921P
superfast. 60-05032A
filter, automatic, cuts cycle duration. 60-04127A
filtration-compression type. 60-05418P
for making receptacles, from powders. 60-04139P
refractory, with quick change mold box. 60-03939P
- Pressing,**
dry, of electrical porcelain, in Czechoslovakian plant. 60-00483A
hot-, of Al_2O_3 , effect of MgO additions. 60-03068A
of EuB₂. 60-02802A
of Si_3N_4 , molded bodies. 60-04245P
of Y Fe garnet. 60-00511A
flash, of Sr hexaferrite. 60-01533A
particulates, method and apparatus. 60-02825P
reaction, of beta'-sialon. 60-00823A
reaction, of sialons, mechanisms of densification during. 60-00720A
hydrostatic, of ceramic blocks, semiautomatic assembly. 60-03849A
isostatic, dry, production of flatware by. 60-00487A; 60-00490A; 60-02594A
of flat whiteware. 60-05215A
hot, of PZT. 60-01536A
hot, of Si_3N_4 , preliminary study. 60-00722A
hot, of UO_2 . 60-05372A
hot, apparatus for. 60-04134P
hot, of beta- Al_2O_3 . 60-00803A
hot, furnaces for. 60-02900P
hot, of refractories, apparatus. 60-05145P
of whiteware, step toward complete automation. 60-01498A
molds, cast iron "Sklo Union," for spectacle glass blanks. 60-04678A
plastic, of cordierite saggars. 60-01382A

- powder, mechanics. 60-01763A; 60-01764A; 60-01765A of refractories, light, process controls. 60-01385A tiles, control by thermovision. 60-05196A workpieces, apparatus for controlling height of. 60-05416P
- Pressure.**
effect on transformations, of metastable SiO₂ into quartz. 60-03170A
oxygen, equilibrium, of Mn-Zn ferrites. 60-04012A sensitivity, of clad optical fiber. 60-01135A sintering, flow and effective pressure concept. 60-00807A sintering under, equipment for. 60-01656P uniaxial, nonlinear charge release of piezoelectric ceramics under. 60-04033A vapor, of silicate glassmelts. 60-02356A variable-sign, use for dispersion of clays in liquid media. 60-03978A
- Pressure, vapor.** See *Vapor pressure.*
- Printing.**
ink jet, solder glass bonded charge electrode for. 60-02792P
jet, seal glass for nozzle assemblies. 60-00373P offset, silicone pad. 60-05414A projection, of mask on semiconductor substrate, method and device for. 60-00561P screen, in glass industry. 60-03666A
- Production processes and equipment.**
classifier, powder, improves particle sizing accuracy. 60-04131A
comminution, process and particle interaction. 60-04129A computers, solving production problems with. 60-01654A containers, semibulk. 60-01651A drying. 60-05417P granulation, pan, kinetic analysis. 60-05412A machines, slab roller. 60-02827P milling, of kaolin rich in muscovite. 60-05413A molds, for mfg. abrasive segments. 60-04138P nomograph, for calculating grinding work. 60-04128A presses, automatic filter, cuts cycle duration. 60-04127A printing system, silicone pad offset. 60-05414A pumping, reducing costs. 60-04130A pyrolytic gas process, for coating graphite or ceramic articles with solids. 60-04259P sinterability, of ceramics, apparatus for determining. 60-04142A wares, ceramic, made at Slavyansk plant. 60-04132A
- Prosthetic ceramics.**
60-00698A; 60-02937A
Al₂O₃, bioglass-coated. 60-04229P
bioglass-coated, use of fracture mechanics in lifetime predictions. 60-02978A
bone screw. 60-02975A
Ca phosphate. 60-05503A
bioglass, formation of Ca phosphate films on. 60-05504A
bones. 60-01834P
carbon, for heart valves, biocompatibility. 60-05501A
carriers, porous, for release of proteins and hormones. 60-00758P
cement, bone, composition for. 60-02992P
compositions. 60-01799P
glass-ceramics, Macor, biocompatibility. 60-05502A
of different solubility, anchoring in femur of rat. 60-02933A
implants, apatite. 60-00741P
bone. 60-02984P
endosseous. 60-04234P
piezoelectric, feasibility study. 60-04220A
substrate, metal, bioglass-coated. 60-01798P
use in replacement surgery. 60-05524A
- Protons.**
fast, conductor—hydronium beta/beta'-Al₂O₃. 60-01951A
guest, within protonated silicate glasses, redistribution. 60-01046A
transport, in solids. 60-01141A
- Proustite.**
crystals, ferroelectric-semiconductor. 60-01961A
- Pulverizing.** See *Crushing; Grinding.*
- Pulverulent materials.** See *Powders.*
- Pumps.**
for fluids, abrasive or corrosive. 60-04141P
heat, aid energy recovery. 60-04177A
use in heavy clay industry. 60-01324A
jet, gas. 60-00323P
- Purification.**
accelerated, of colloidal SiO₂ sols. 60-00975A
catalytic, of automobile exhaust gases. 60-04232P
of crystals, II-VI, method for. 60-03003P
of glass, particulate, by magnetic separation. 60-00371P
of rutile. 60-00696P
- Pyristors.** See *Temperature measuring instruments.*
- Pyrite.**
FeS₂, natural, photoconduction. 60-01948A
- Pyrochlore.**
compounds, Y₂Mo₂O₇ and Y₂Ru₂O₇, specific heats. 60-03201A
- Pyroelectric materials.**
PZT-based. 60-02655A
glass-ceramics. 60-02333A
Ba₂TiGe₂O₇ and Ba₂TiSi₂O₇. 60-03438A
thermal noise and dielectric response, relations between. 60-04039A
- Pyrolysis.**
of BN compounds, synthesis of BN films by. 60-03171A
spray, of Ag In sulfides. 60-01563A
preparation of solid electrolytes by. 60-04222A
- Pyrometers.** See *Temperature measuring instruments.*
- Pyrometry.** See *Temperature measuring instruments.*
- Pyroxenes.**
dissolution, during weathering. 60-03062A
- Quality control.**
60-02019A
of bricks, refractory. 60-00463P
of cements, portland. 60-04543A
of composites. 60-00724A
of glazes, on whiteware. 60-05209A
of object appearance, in ceramic industry. 60-04470A
of refractories, in USSR. 60-00410A
of sanitary ware, methods for improving. 60-03963A
in tile industry. 60-05193A
of tiles, floor, at Slavyansk Plant. 60-03964A
- Quarries.**
lime, blasting vibrations, effects of. 60-02073A
limestone, effect of drilling and blasting on subsequent operations. 60-02103A
- Quarrying.**
in cement industry, environmental protection. 60-02109A
exploitation, loading, and hauling of raw materials. 60-02116A
and material preparation, in lime and cement industry. 60-02178A
planning, for cement works. 60-02080A
- Quartz.** See also *Glass; Refractories; Silicon dioxide.*
from Alpine rocks, recovery of. 60-01716A
alpha-, crystals, Renninger effect in. 60-05689A
glass-ceramics. 60-02447P
bar, piezoelectric, voltage development due to bending. 60-05303A
crystallization, role of density of solution. 60-03182A
crystals, internal nucleation of melting. 60-01067A
subminiature vibrator, method for making. 60-01599P
vibrator using Ni-Ag or Cr-Ni-Ag electrode layers. 60-04096P
defect structure, effect of heat treatment. 60-03069A
deposition, uniform, sputtering system for. 60-02793P
fused, electric-field effect on positronium formation and decay. 60-04730A
glass, Fe impurities in region of uv absorption. 60-00195A
activated with Sm²⁺, thermo- and photoluminescence. 60-01184A
ampoules, treatment. 60-02458P
color centers in. 60-00988A
fundamental absorption. 60-04748A
hydroxyl-free, breakdown threshold of light in. 60-04674A
ion-doped, velocity and absorption of ultrasound in. 60-01197A
for glass production, industrial-scale recovery through flotation. 60-01712A
grains, beta-dose attenuation, thermoluminescence dating by. 60-00899A
granular, glass product. 60-02397P
growth rate, in fused SiO₂, dependence on pressure and impurities. 60-05590A
low, parameter variations between 94 and 298 K. 60-03148A
method of growing. 60-03004P
plate, method for chemically polishing. 60-04965P
porous. 60-04988P; 60-04989P
powder, electrical conduction in. 60-03074A
surface waves in, temp. dependence of velocity of. 60-05722A
synthetic, effect of irradiation and electrodiffusion on Na acoustic loss. 60-05609A
transformation of metastable SiO₂ into, effect of pressure. 60-03170A
use, in glass and fine ceramics industry. 60-05483A
- Quartzite.**
suspensions, dewatering. 60-01343A
- Quenching.**
concentration, of Nd, Er, and Yb luminescence in phosphate glasses. 60-04691A
of luminescence, in Tb-activated Na rare earth metaphosphate glass. 60-03459A
rare-earth ion, in phosphate glasses. 60-00251A
rapid, of glasses. 60-01145A
of glasses, using thermal-image furnace. 60-03653A
ultraprapid, of laser-melted binary and unary oxides. 60-02011A
- Quicklime.** See *Lime.*
- Radiation.**
D and He ion, effects on TiB₂ coatings. 60-01743A
damage, in MgAl₂O₄ crystals. 60-03174A
by high-energy neutrons. 60-05384A
electromagnetic, control of crystal growth of semiconductors with. 60-03999A
gamma, effect on glass leaching. 60-02270A
effect on photochromic glasses. 60-04713A
effect on physical-electrical properties of alkaline niobates. 60-04006A
effect on piezoelectric materials plasticized with polymers. 60-05272A
effect on plastic flow of NaCl. 60-03066A
of glasses, borosilicate, effect on physical properties. 60-02271A
hardness, in CMOS circuits passivated with Si₃N₄, degradation. 60-05361A
heat, deflectors within EFG crucible. 60-05318P
induced changes, in crystal-structure parameters of C glass-ceramic. 60-04839A
ionizing, effect on spectral properties of stabilized ZrO₂ refractories. 60-03885A
response of fiber optics waveguides to. 60-03659A
laser, drawing optical waveguides using. 60-03742P
neutron, of Si crystals, method of restoring lattice after. 60-05401P
effect on Ag-electroded PZT piezoelectrics. 60-05365A
nuclear, optical fibers with high stability to. 60-02433P
properties, of industrial refractories, changes during service. 60-03871A
protection, with PbO-doped optical glasses. 60-03708A
of quartz, synthetic, effect on Na acoustic loss peak. 60-05689A
response, of Ge-doped SiO₂-core optical waveguides. 60-00991A
scintillators, glass, for pulsed neutron diffraction. 60-00172A
simulated, of Y-Ho-Al garnet crystals. 60-04043A
in waveguides, optical, doped-SiO₂, effects. 60-03648A
- Radioactive materials.** See *Isotopes; Wastes.*
- Radioactive tracers.** See *Isotopes.*
- Radioisotopes.** See *Isotopes.*
- Rare earths (lanthanoids).** See also specific types.
cobaltates(III). 60-00775A
determination, using emission spectrometry. 60-05592A
films, epitaxial, preparation. 60-02781P
iodides, interactions with iodides of alkali metals. 60-03111A
materials, science and technology. 60-04482B
monoxides, magnetic properties. 60-01923A
nitrides, Knudsen cell vaporization. 60-01918A
oxides, monoclinic, transpolar properties. 60-05732A
structural Si₃N₄ containing. 60-01837P
process for separating. 60-02927P
silicate glasses containing, complexometric. 60-04690A
titanates. 60-03239A
- Raw materials.** See *Cements; Materials, raw; Rocks; Sands.*
- Reactions.**
between Al^{III}VI compounds, and Sn chalcogenides, thermodynamic appraisal. 60-04454A
of BaCl₂ and BaCO₃, at elevated temps. 60-04354A
of BaSO₄, with NaCO₃ in aqueous medium. 60-04408A
CF₄, metastable C phases from. 60-01927A; 60-01928A
of La chloride, with Na silicates in aqueous solution. 60-04848A
between Si₂O₃ and Si₂O₅. 60-04355A
of SiC, with oxidizing atmos. 60-01389A
alkali-aggregate, temp. expansion maximum. 60-02192A
alkali-silica, in concretes, detection. 60-02099A
of aqueous solutions, with glass surfaces. 60-01147A
batch, in Pyrex glass containing Na₂CO₃ and NaNO₃. 60-05054A
chemical, foaming of borosilicate glasses by. 60-00163A
chemical vapor, system. 60-04057P
clustering, in Fe-doped MgO, kinetics. 60-04361A
decomposition, of CaCO₃. 60-01882A
electrode, of conductive materials in molten glasses. 60-00150A
endothermic, process and apparatus for conducting. 60-04255P
formation, of Pb₂TaMnO₇. 60-04412A
glass-metal, and physical properties of enamels. 60-04615A
of glasses, Fe-Na disilicate, kinetics. 60-04788A
with aqueous solutions, effect of Al₂O₃ and ZrO₂ on. 60-04383A
heterogeneous, in glass-forming melts in system Na₂O-SiO₂, kinetics. 60-03576A
high-temp., of Nb pentoxide with Nb and Ti carbides. 60-01907A
hydrothermal, in systems CaCO₃-SiO₂ and MgCO₃-SiO₂. 60-03102A
interface, Au and Al, with SiO₂. 60-05565A
of glaze/glass-ceramic, electron microprobe analysis. 60-01032A
ion-exchange, of germanate glasses with molten alkali nitrates. 60-04779A
of sesquioxide-containing Li silicate glasses with melts of Na and Ag nitrates. 60-04778A
between limestone and Na phosphate, in aqueous suspension. 60-03379A
during milling, of Al₂O₃. 60-04411A
plasma, process control. 60-04074P
of refractories, chrome-dolomite. 60-05110A
in sludge compositions, fly ash-limestone-scrubber. 60-02181A
solid state, between oxides, effects of electric fields. 60-04315A
formation of silicates by. 60-03087A
kinetics, using results obtained on ZnO-Al₂O₃ system. 60-04280A
in silicates, thermodynamics and kinetics. 60-05728A
solid-phase, in system PbO-SiO₂, kinetics. 60-04789A
solid-sol, analysis. 60-01844A
in systems, RbF-LaF₃. 60-03110A
water/glass, at high temp. and pressure. 60-01199A
- Reactivity.**
chemical, in refractory heat exchangers. 60-02511A
of glasses, fluorocarbon treatment for reducing. 60-04930P
of silicates, with NaOH solution. 60-00042A

of surfaces, glass, organotin treatment for reducing.
60-03799P

Reactors.

fast breeder, studies on carbide nuclear fuels for.
60-03537A; 60-05358A; 60-05359A
fusion, coatings for. 60-01740A
nuclear, MgO shield for. 60-05403P
actinide nitride-fueled, method of continuous operation.
60-01643P
chemical decontamination of components, method for.
60-00614P
liquid moderated, fuel assembly design for. 60-02816P
using Pu. 60-02815P
nuclear (BFTR), brazing techniques for ceramic ring assemblies
as neutral beam and vacuum pump insulators.
60-04110A
radiation heated, for CVD on substrates. 60-04097P

Reagents. See specific types.

Recrystallization. See *Crystallization*.

Recuperators. See *Furnaces; Kilns; Refractories*.

Reduction.

of BaTiO₃, inhibition of. 60-00806A
kinetics, of Al³⁺-containing Co ferrites. 60-00824A
of oxides, on Si, by heating in Ga molecular beam.
60-02696A
metal, by electron cyclotron resonance plasma of H.
60-00825A

Reflection. See *Reflection*.

Reflection.

anti-, films, with aspherical layer. 60-03805P
layers on phase separable glasses, properties. 60-04838A
grazing X-ray, application to polishing of silicate
glasses. 60-03445A
index, of Y₂O₃. 60-04413A
microwave, of enameled and flame-sprayed coatings.
60-00952A
spectral, of liquid ceramics. 60-01980A
surface, of strongly absorbing media. 60-01179A

Reflectivity. See *Reflection*.

Reflectors.

apertured facet, stabilization of diode lasers by.
60-04026A

Refraction.

birefringence, in optical fibers, induced by bends and
twists. 60-00111A

Refractive index.

of BaTiO₃. 60-01845A
of Y Li fluoride, temp. variation. 60-01996A
of Y₂O₃, sintered bodies. 60-04413A
axial, depression in preforms and fibers. 60-03437A
dip, axial, effect on wavelength in single-mode fibers.
60-02626A
of fibers, calculations of stress-induced changes in.
60-02249A
measurement. 60-02308A
of films, Ta₂O₅. 60-00260A
of glasses, Na silicate, effect of bridging-to-nonbridging
O ratio. 60-01019A
alkali CaO borogermanate. 60-03657A
germanate. 60-04779A
water-containing aluminosilicate. 60-01105A
nonlinear, low laser glass with. 60-00331P
of preforms, optical fiber, nondestructive measurement.
60-00228A
principal, of doubly refracting crystals, Duc de
Chaulnes determination. 60-01666A
profile, effective, optical fiber waveguide with. 60-03795P
of glass fibers, study, using interference microscope.
60-03564A
in transition region of optical fiber preform, holographic
measurement. 60-03547A
of rods, light-focusing, determination. 60-00633A
of substrates, reflecting, measurements using wedged film
technique. 60-01681A
of waveguides, optical, recovery from measured coupling
angles. 60-00517A

Refractivity. See *Refraction*.

Refractories industry.

1980, future trends and developments. 60-01390A
ICI plant, for fibers only. 60-05086A
in U.S., progress report. 60-03916A
Zlatina Panega cement complex, mineralogical changes in
refractories from rotary furnaces. 60-00402A
casting, steel. 60-03947P
clays, Kirovograd, use. 60-01327A
data processing, application to process performance.
60-05051A
drive for higher quality control, in USSR. 60-00410A
energy conservation. 60-05077A
hoppers, portable, use in mixing line. 60-05131A
international standardization in testing and quality
designation, need and possibilities for. 60-02520A
kilns, tunnel, heat technology. 60-05754B
materials, annual review. 60-00396A
meeting the energy challenge. 60-01329A
mythology, technology, and science. 60-01372A
new record at Sakai BOF. 60-05045A
petrology, and steel mfg. 60-01380A
plants, sizing and grinding. 60-05064A
presses, with quick change mold box. 60-03939P
production technology, of materials, physicochemical
principles. 60-05756B
prospects for the eighties. 60-01393A

raw materials, dust control in processing. 60-00411A
skid lining insulation, application of metal fiber to.
60-02508A

slags, metallurgical, treatment and handling. 60-05185P
spraying equipment, for round ducts. 60-05053A
the year ahead, economy. 60-02500A

Refractories, blast furnace.

MgO board, for tundishes, application. 60-05050A
aluminosilicate, reactions with slag and pig iron.
60-01388A
basic, used for VOD vessel, performance. 60-00432A
bosh design in Scunthorpe. 60-01333A
bricks, CaO, used in AOD vessel. 60-05118A
funnel, and stopper rod pipes, recompression. 60-00440A
castable, for runners, wear mechanisms. 60-05140A
corundum, for slide valves of ladles, production and
performance. 60-00434A
desulfurization, hot metal. 60-01332A
experience on Algoma No. 7. 60-01409A
hearth. 60-05148P
ingot-making and continuous-casting, changing to unshaped
type. 60-05060A

ladles, for Ca-injection treatment. 60-05126A
degassing, reducing refractory consumption. 60-05111A
developed by Nippon Steel. 60-05065A
method of evaluating coating materials for. 60-05095A
method of making. 60-00459P
packing material for monolithic lining. 60-05098A
practical developments in preparation. 60-03899A
production at Orsk-Khalilovsk Metallurgical Combine.
60-00437A

quartzite-grog ramming mix for. 60-05066A
reducing refractory consumption. 60-05112A
results of using unburned bricks containing SiC.
60-05120A

with sling masses, lining life. 60-05093A
steel, optimum use of refractories. 60-01377A
use of spinel-C bricks for. 60-05136A
use of unburned high-Al₂O₃ brick for. 60-05137A

zircon bricks used in. 60-05143A
zircon-pyrophyllite. 60-01416A

linings, C, problems with. 60-01404A

experience with. 60-01397A
gunned, of hot metal mixers at U.S. Steel, Gary Works.
60-01359A

ladle. 60-03909A
ladle, dolomite and bauxite, operating results at
Dillinger Huettnerwerke Ag. 60-01376A

ladle, repair by gunning. 60-05116A
life of. 60-03908A

pipe, thermal expansion and shrinkage. 60-05056A
stack, durability. 60-01345A

tundish. 60-00478P

tundish, ramming mix for. 60-05109A

nozzles, 3-plate siding, use. 60-05049A

castellated tundish. 60-05151P

comparison of rotary type with drawing type. 60-05063A
erosion of. 60-01406A

gas purging. 60-05082A

rotary, improving life. 60-05102A

slide gate. 60-02571P

sliding, observation of. 60-00429A
submerged, test results of gas purging using water model.
60-05128A

operating experiences, on Gary Works No. 13 furnace.
60-01375A

sands, packing, for gate systems of ladles. 60-03878A
sheds, stability of. 60-01403A

shrouds and stoppers, Al₂O₃-graphite, microstructure
and performance. 60-03896A

start-up and operation, of Chiba No. 6. 60-01405A
taphole mixes, resin-bonded. 60-05117A

troughs, new casting method for. 60-05079A
tubes, bottom pouring. 60-05149P

tundish, board, composition and properties. 60-05129A
and lining slab for. 60-02575P

relining technique. 60-05130A
valves, sliding gate. 60-02572P

wear, effect of phase composition and structure. 60-01347A

Refractories, brick.

See also *acid, basic, and specific types under Refractories*.

Dinas, charge for. 60-01425P
phosphate-bonded, production from Bulgarian raw
materials. 60-00436A

MgO-C, method for making. 60-02550P
SiC, repairing mortars for. 60-02568P

SiO₂, superduty, production and properties. 60-01386A
andalusite, for torpedo ladles. 60-01328A

from bauxite, calcined Chinese. 60-02524A
bonding, mortar for. 60-02544P

carbonaceous, method for making. 60-00457P
cold end, external plating arrangement for sealing off.
60-03931P

dolomite, tar, effect of C on wear resistance. 60-01415A
heat-retaining, process for making. 60-03943P

high strength, based on alkali slag binder. 60-03890A
improving quality. 60-00463P

magnesite-C, development and use in BOF. 60-00407A
mixtures, use of radioactive isotopes in preparing.
60-01411A

press frame, with prestressed columns. 60-03921P
raw materials for pressing, optimum mixing time. 60-01340A

runner, apparatus for automatically fitting. 60-03917P

recompression, in manual and automatic operation.
60-00440A

sliding plate, with discharge ports and improved nozzle.
60-02569P

wall, relief work over opening in. 60-02906P

Refractories, cement.

See also *Refractories, blast-furnace*.

60-04589P
high-Al₂O₃, process for making. 60-03058P
mud spacer. 60-04588P

Refractories, chrome-magnesite.

See also *Refractories, magnesite-chromite*.

reaction with CaO, mineral formation by. 60-05096A

Refractories, coatings.

See *Coatings*.

Refractories, concrete.

See *Concrete*.

Refractories, electrocast.

See *Refractories, fused cast*.

Refractories, magnesite.

See also *Refractories, chrome-magnesite*.

obtained from dolomitized magnesite, effect of Zr compounds on quality. 60-03883A

resin-bonded. 60-02521A

Refractories.

See also *Insulation, thermal; Kiln furniture; Silicon, carbide; Spacecraft; and specific types*.

60-04512P; 60-03290B; 60-03945P; 60-04261P
in the 1970's, review and outlook for 1980's. 60-03907A
for AOD converters, wear of. 60-01414A

AZS, for bottom protection of glassmelting furnaces.
60-05057A

chrome-bearing, for all-electric furnaces. 60-00581A

Al silicate, calcined, strengthening. 60-05184P

Al₂O₃, concretes, effect of high-pressure, high-temp.
steam on. 60-03886A

crack growth. 60-03895A

high-, X-ray fluorescence analysis. 60-05142A

high-, charge for. 60-05157P

high-, for arc furnace roofs, study. 60-05062A

high-, improvement of mixing method. 60-05088A

high-, ramming mix for electric arc furnace roof center.
60-05119A

phosphate-bonded, effect of additives on torsional creep.
60-05100A

phosphate-bonded, strength and microstructure.
60-03912A

thermal shock. 60-03914A

Al₂O₃-SiC, based on Al-Cr phosphate binders, dilatometric
studies. 60-00409A

Al₂O₃-based, with phosphate binder, mfg. 60-05166P

B Al₂O₃, electrofusion method of producing. 60-00458P

C-MgO, in basic O steelmaking. 60-03889A

high-. 60-05085A

Ca, Mg, and Al₂O₃ in, rapid determination. 60-03904A

Ca-silicate-bonded-asbestos, insulated products. 60-01334A

Fe in, photometric determination using o-phenanthroline.
60-05101A

MgO-based, relation between CaO/SiO₂ ratio and hot
strength. 60-03879A

MgO, burned, process for making. 60-02560P

derived from natural magnesite, microstructure.
60-01369A

effect of additions on fusion and sintering behavior.
60-05089A

high density, production. 60-03901A

made from MgCl₂, sintering. 60-00447A

for O₂ converters, if determination of residual lining
thickness. 60-01341A

for RH degassing, improvement. 60-01360A

S-containing, for resisting reactive molten metals.
60-02573P

SiC, beta-, powders, process for producing. 60-00470P

effect of shape of grains of pressed powders on
properties. 60-00418A

furnace side frames. 60-03946P

gas phase impregnation with. 60-00422A

high density, method of producing. 60-01440P

nitride-bonded, properties. 60-05107A

oxide-bonded, oxidation resistance. 60-00430A

powder containing B component, method of making.
60-00451P

reactions with oxidizing atms. 60-01389A

self-bonded, electrophysical characteristics. 60-01350A

self-bonded, with high thermal stability, production.
60-00439A

sintered moldings. 60-01459P

SiC-W, heat pipes. 60-02529A

SiO₂, container, processes for making. 60-00472P

fused, method for low pressure forming. 60-00461P

Zr and Nb carbides, structural vacancies in, calculation
of thermodynamic characteristics. 60-01849A

ZrO₂, fired and unfired. 60-01352A

with granular texture, effect of heat treatment on
properties. 60-00415A

stabilized, effect of additives on decomposition.
60-00412A

stabilized, effect of radiation on spectral properties.
60-03885A

use in steelmaking. 60-01413A

abrasive, compacts. 60-00008P

acid-resistant, water permeability. 60-05139A

adhesive, conductive. 60-01594P

aggregates, production by nonfiring methods. 60-00438A

aluminosilicate, attack by high-Mn steel. 60-01330A

- chemically bonded ramming mixes. 60-03873A
effect of ZrO₂ addition on sintering, structure, and properties. 60-05071A
large, vibration casting. 60-01367A
aluminous, compositions containing C, Si, and chrome oxide. 60-01418P
for arc furnaces, effect of operating parameters on wear. 60-01364A
optimum use. 60-01377A
basic, chrome-bearing, from brine MgO. 60-02516A
from dolomite, mineralogical studies. 60-02519A
from bauxite, Chinese. 60-05141A
binder, for mineral fibers. 60-01436P
binders, effect of pretreatment on alkali resistance of bodies. 60-01348A
blocks, corundum-baddeleyite, effect of molten glass on. 60-05090A
bonding, gas pressure, apparatus. 60-05145P
bonds, use of computers and mathematical models in reformulating and optimizing. 60-05135A
boride-based. 60-03920P
bricks, CaO, properties after reheating. 60-05138A
MgO-C, performance in LF vessel. 60-05099A
MgO-chrome, behavior of secondary spinel. 60-05055A
MgO-chrome, for degassing vessels, alteration. 60-05046A
SiO₂ developed from SiO₂ wastes. 60-05067A
basic, for 100 ton electric furnace roof. 60-05133A
burned MgO-dolomite, use at bottom of degassing vessels. 60-05058A
dolomite/magnesite, basic slag attack on, microprobe analysis. 60-05076A
for metallurgical vessels. 60-05150P
bridget, forming process and composition. 60-03922P
carbide, sinterable, injection molding. 60-01448P
carborundum, molds, effect of technical parameters on quality and production rate. 60-05074A
cartop, kiln, shock resistant. 60-01402A
cast, material for mfg. 60-05168P
castable, carbonation. 60-02510A
development of continuous mixer for. 60-05068A
and insulating, for skid pipe for furnace. 60-05059A
recycled. 60-05122A
for reheating furnaces. 60-03897A
rho-Al₂O₃ bonded. 60-05123A
setting, use of microwaves. 60-00397A
casting pit, development. 60-05070A
catalysts, composition. 60-00748P
cement, method of making. 60-03407P
charge for. 60-01428P; 60-01429P; 60-05154P;
60-05155P; 60-05156P; 60-05158P; 60-05159P;
60-05160P; 60-05176P
in chemical industries. 60-00441A
chrome-dolomite, reactions, phase composition, and properties. 60-05110A
coated with Al₂O₃, method of forming. 60-01812P
composites, high density, method of making. 60-03930P
compositions. 60-00474P
compression molding, asbestos-free, for thermal and electrical insulators. 60-03919P
for forming monolithic structure. 60-01452P
for foundry cores and molds, method for hardening. 60-05169P
for lining thermal units. 60-01453P; 60-01454P
moldable. 60-02563P; 60-02564P
for water-content injectable pastes. 60-00473P
for wet-gunning. 60-01342A
compounds, handbook. 60-00859B
high-melting, synthesis of powders and crystals. 60-04442A
reactions with VT3-1 Ti alloys. 60-01781A
conductivity, thermal, role of microfissures. 60-01400A
construction, use of data processing to resolve complex problems. 60-05134A
containers, metallurgical, preheating. 60-03937P
containing SiO₂, composition for. 60-02539P
with controlled porosity and density. 60-02558P
cordierite, saggars, plastic pressing. 60-01382A
cores, cristobalite, for casting steel and iron alloys. 60-01439P
graphite/Al₂O₃, setter for firing. 60-00452P
corundum, or Al₂O₃. 60-01455P
effect of additives on electrical properties. 60-00413A
for furnaces used in melting Al alloys. 60-01410A
-graphite, submersible nozzles for casting of steel. 60-00404A
plates for gate valves, firing in tunnel furnace. 60-00419A
reaction with Na phosphates. 60-03905A
reinforcement with bulldip whiskers. 60-00444A
crucibles, Al₂O₃, coated with MgO. 60-03874A
for determining S and C contents of cast Fe and steel. 60-00399A
effect on composition of inclusions on Fe deoxidized by Al. 60-00416A
crystallization. 60-01356A
dense and insulating, current trends in use. 60-03881A
design, for heat savings. 60-00442A
dolomite. 60-02540P
for electric arc furnaces, with sponge iron charge. 60-03906A
electroconductive. 60-01433P
electromelted, charge for. 60-01426P
enamels, suitable for vehicle exhaust systems. 60-04617A
for energy applications, basic research need. 60-02018A
expanded, production. 60-03944P
exposed to high pressure gases, properties. 60-03902A
fabric, metallized amorphous SiO₂. 60-02409P
fiberboards, for furnaces operating at 1200-1480 °C. 60-03870A
fibers. 60-02537P; 60-05164P
B,C, high strength yarn from. 60-02545P
aluminosilicate, with glass-ceramic structure. 60-03868A
contributions to new technology. 60-00403A
felt. 60-05152P
inorganic hollow, process for making. 60-00471P
inorganic oxide. 60-02562P
insulating slab. 60-02549P
insulating slabs made from, for furnaces. 60-02574P
limits on use in structural clay industry. 60-05022A
nonfrangible Al₂O₃-SiO₂. 60-03935P
oxide, production from solutions of Al and Zr salts. 60-05105A
process for making. 60-02551P
shrink-resistant, process for making. 60-01458P
synthetic inorganic nonmetallic. 60-05127A
treatment. 60-05186P
fibrous. 60-03927P
composite insulation, developments. 60-00408A
films on, Pt group metal, production. 60-01628P
filters, for diesel exhaust particulates. 60-05153P
fireclay, and AZS, in contact with Pb glasses, corrosion. 60-03880A
nondestructive ultrasonic testing. 60-03898A
for flash furnaces, in Japan. 60-01394A
foamed elements, method of making. 60-05162P
forsterite, charge for. 60-01423P
foundry. 60-01354A; 60-01355A
for furnaces, glassmelting, Hungarian raw materials for. 60-03548A
fusion cast. 60-01356A
method for forming. 60-05171P
gas-permeable. 60-01434P
charge for. 60-01427P
glass, Pyrex, containing Na₂CO₃ and NaNO₃, batch reactions. 60-05054A
for glass industry, sheet. 60-04846A
trends in use. 60-04844A
wear and wettability at high temps. 60-04847A
for glass pots, evaluation. 60-04803A
for glassmelting furnaces, pitting corrosion test for. 60-04827A
used for Pb crystal, mineralogical changes in. 60-00401A
glassworks, profile of a supplier. 60-03888A
glory holes, use and design. 60-02514A
granular, bulk density, errors in determination. 60-03887A
granules, based on ZrO₂ and MgO. 60-01422P
graphite, artificial. 60-00456P
-containing. 60-02515A
warped enclosures, method of reshaping. 60-03934P
gunite. 60-01395A
gunning. 60-02561P; 60-03929P
apparatus. 60-05163P
compact machine for converters. 60-05061A
grog-based aggregates containing Al₂O₃. 60-00431A
hard metal-wax blends, extrudable, method of making. 60-01446P
heat exchanger, method of making. 60-05173P
heat setting, dry. 60-01432P; 60-02541P
heterogeneous, fracture of, importance of nonelastic deformation. 60-02528A
high density, low porosity, process for making. 60-01435P;
60-01437P
high molecular weight compounds, organosilicon. 60-03936P
honeycomb. 60-03923P
for hot spots, in electric arc furnaces, alteration. 60-05047A
industrial, attacked by metallurgical slags, hydrodynamics and physicochemistry. 60-03891A
changes in radiation properties during service. 60-03871A
insulating, cordierite/mullite, for glass tanks. 60-03672A
cut energy costs. 60-05113A
slab, on molten metal surface, method of locating. 60-05172P
thermal, production and use. 60-05104A
insulation. 60-00423A; 60-01421P; 60-01461P
containing SiO₂, aerogel and Al₂O₃. 60-00476P
controlled-pore SiO₂ structure, method of making. 60-00353P
design of. 60-02892A; 60-02893A; 60-02894A
effect of fiber diameter on thermal conductivity. 60-03884A
effect of microstructure on thermal conductivity. 60-03892A
heat transfer through. 60-02891A
porous. 60-01445P
process for making. 60-03941P
produced from local raw materials. 60-03900A
residential, physical properties. 60-01381A
thermal. 60-01357A; 60-03948P
thermal elements, skid pipe. 60-05182P
interaction with scale, on transformer-steel converter. 60-01365A
international standardization in testing and quality designation, need and possibilities for. 60-02520A
from kaolin, Vladimir arenaceous, effect of technological parameters on properties. 60-00417A
production at Belokamenkoe grog plant. 60-00435A
with specific density, production. 60-00398A
kyanite and diaspore, phosphate-bonded, torsional creep behavior. 60-03915A
light, pressing, process controls. 60-01385A
lightweight, charge for. 60-01424P
liners, demonstration of design methodology for. 60-02512A
linings, of AOD converters at Thyssen Edelstahlwerke in Krefeld. 60-00425A
in O converter, effect of gas composition on wear. 60-01363A
in O converter, mathematical study. 60-01368A
apparatus for applying, monitored by TV camera. 60-00453P
arc furnace. 60-05147P
arch of open-hearth furnace, service of. 60-01401A
development of anchor systems for. 60-05048A
fiber, for furnaces, method for making. 60-00462P
fibrous, for saving energy in clay pipe kilns. 60-02877A
furnace. 60-00664P; 60-00668P
furnace or kiln. 60-05165P
furnace, apparatus for applying. 60-00454P; 60-00455P;
60-01419P; 60-01420P
furnace, apparatus for repairing. 60-02533P
furnace, method of making. 60-00663P
gag for measuring thickness. 60-05161P
for metallurgical vessels, process and device for making. 60-03940P
method for measuring thickness. 60-05170P
monolithic, casting compound for. 60-02546P
monolithic, for pusher-type furnaces. 60-01344A
roof, for arc furnaces, improved life of. 60-01373A
of soaking pits. 60-01396A
for steel converters, wear. 60-00426A
thermoinsulating concrete, for heat treatment furnaces. 60-03940A
wear in AOD process, measured by activated isotopes. 60-03893A
magnesite-C, for EAF and BOF use, developments. 60-03882A
marking, with nonradioactive tracers, to determine origin of in steel. 60-03894A
from marly clays, effect of electrolytes on phase composition and structure. 60-00414A
masonry, stresses developed in. 60-03913A
materials, developments since 1977. 60-00865B
ground, relation between supply and demand for each particle size. 60-05115A
high-temp, elastic moduli, ultrasonic measurement. 60-00450A
with improved vacuum density. 60-05179P
intermediate grinding. 60-05092A
for producing. 60-05167P
metal, components of electric furnaces, reducing deterioration. 60-00467P
metal-resistance, comparative appraisal. 60-01337A
minerals, potential for export from China. 60-05013A
for mixers, hot metal. 60-05094A
mixture, of Fe₂O₃ and ZnO, for steelmaking, solubility in H₂SO₄. 60-01370A
for gunning. 60-05178P
screening techniques improve quality. 60-02527A
module, insulated fiber. 60-02548P
mold handling lugs, method of repairing. 60-02554P
moldings, sintered SiC, method of making. 60-03932P
molds, Al₂O₃, for superalloys. 60-02532P
CaO. 60-02535P
for casting. 60-02555P
for casting superalloys. 60-02538P
foundry, containing glassy metal alloy filaments. 60-03928P
methods of making. 60-00468P
particles for forming. 60-02556P
shell, method of making. 60-00464P; 60-00465P
for molten Zr, identification. 60-02517A
monolithic, nondestructive testing. 60-05097A
recycled, applications. 60-05052A
workability, fundamental approach to. 60-02513A
mullite, bonded synthetic, characterization. 60-03872A
-containing, effect of gaseous media on thermal stability. 60-05072A
-corundum, for furnaces used in Al industry. 60-01371A
creep. 60-00405A
synthetic, preparation and properties. 60-01384A
for nonferrous metals industry. 60-01391A
nozzles, for casting Al-containing steels, prevention of Al₂O₃ buildup. 60-01383A
for oven patching, coke. 60-01335A
for ovens, coke. 60-01374A
oxidation-resistant, made of SiC. 60-05124A; 60-05125A
oxide. 60-04347A
cast slips, thermophysical properties. 60-00449A
containing alkaline earth, mass spectra. 60-01924A
perovskite-group, preparation and properties of high-density ceramics based on. 60-04400A
systems, phase equilibrium and microstructure. 60-02522A
packing body. 60-01456P
packing material. 60-05180P
particles, for forming molds. 60-02556P
nonspherical, packing of. 60-01378A

partition, thermally conductive. 60-00673P
patching and sealing, for coke ovens. 60-03924P
perchlorate behavior in gas flow with alkali additives.
60-01331A
-chromite, improving quality. 60-01361A
-chromite, interrelations between properties. 60-01366A
-spinel, in lining of Cu-Ni converters. 60-01379A
-spinel, testing. 60-01362A
permeable. 60-05174P
phosphate, production technology and uses. 60-02035B
phosphate bonded, molded, method of making. 60-01449P
plaster. 60-03414P
plastic, with Al_2O_3 -chrome. 60-01443P
workability of, method for estimating. 60-05080A
plates, for gate valves, impregnation. 60-00424A
porous. 60-05758B
cordierite, Al_2O_3 , SiO_2 , with activated Al_2O_3 layer.
60-03925P
cordierite, SiO_2 , Al_2O_3 . 60-03926P
pots, made from Indian clays, for glassmelting. 60-05083A
for pouring equipment, molten metal. 60-00469P
powders, SiC, method of making. 60-00466P
metal boride, method of making. 60-01447P
properties and application. 60-05106A
prepared from Al titanate, silicate-containing. 60-05548P
pressing, hot isostatic, apparatus. 60-05145P
process for making. 60-03942P
properties, thermophysical. 60-01398A
in pseudosystem $\text{BaO}-\text{Al}_2\text{O}_3-\text{CaO}-\text{Al}_2\text{O}_3-\text{BaO}-6\text{Al}_2\text{O}_3-\text{CaO}-6\text{Al}_2\text{O}_3$. 60-00043A
quartz, effect of surfactants on physicochemical
properties. 60-01349A
quartzite, dewatering. 60-01343A
ramming mix, containing Al powder, for metal melting
furnaces. 60-00475P
raw materials, grain size control. 60-05084A
reinforced, with stainless steel fibers. 60-03910A
with steel fibers, properties. 60-03903A
resistance, to CO. 60-01399A
to fused Al. 60-01338A
review, annual. 60-00396A
roasting-free, charge for. 60-01430P
roofs, for arc furnaces, improvement by changing from
 SiO_2 to high- Al_2O_3 . 60-05087A
sand, used foundry, apparatus for regenerating. 60-05146P
sand/silicate, compositions for foundry molds/cores.
60-01442P
separation device, of cordierite and $\alpha\text{-Al}_2\text{O}_3$. 60-02570P
sheets, containing exfoliated vermiculite. 60-05181P
shock resistance, thermal, acoustic emission evaluation.
60-01351A
silicate, polymeric, method of producing. 60-01444P
silico-X-ray fluorescence analysis. 60-05142A
silico-aluminous, X-ray fluorescence analysis. 60-05142A
sinter material. 60-01460P
slabs, cordierite. 60-01339A
treatment. 60-01462P
slips. 60-01457P
oxide, relation between pH and rheological properties.
60-05114A
spent-chrome-bearing, problems with. 60-02523A
spinel, MgAl_2O_4 , synthesis, from oxides. 60-03877A
spray coating, flame, of different size converters.
60-01353A
spraying of, apparatus and method. 60-05144P
for steelmaking, low C stainless, tests for. 60-01407A
steelplant, face challenging future. 60-03911A
stone cast, produced from basalt from the Voneshcha Voda
quarry, Bulgaria. 60-05132A
stone casting. 60-05183P
structural, SiC and Si_3N_4 . 60-00715A
use. 60-02531A
structures, method of repairing. 60-01441P
for outlet valves of metallurgical vessels. 60-02565P;
60-02566P; 60-02567P
supports, for induction heating of metals. 60-00443A
systems, $\text{Al}_2\text{O}_3\text{-ZrO}_2\text{-SiO}_2$. 60-01392A
testing, ultrasonic. 60-01412A
texture. 60-00448A
tiles, insulating, repair. 60-00445A
topping material, hot, insulating. 60-00460P
toughness, method for measuring. 60-00427A
transformations in, phase, during smelting of Pb-Zn ore
concentrates. 60-00433A
use, in electric arc furnace roof with water-cooled
panel. 60-05121A
used in iron and steel industry, role in energy savings.
60-00446A
vacuum-dense, charge for. 60-01431P
vessels, for molten metal, preheating. 60-03938P
vitreous, cellulated, process and apparatus for making.
60-05175P
walls, front, for industrial furnaces. 60-00670P
reaction with molten steel. 60-02525A
water cooled, compatibility with basic coal ash slag.
60-03876A
wear of, in Mitsubishi process, effect of injection
smelting. 60-01346A
effect of operational conditions. 60-05073A
in electric arc furnaces. 60-00421A
zircon, dense. 60-01358A
zircon-corundum, effect of glassy phase on properties.
60-05091A

Regenerators. See Refractories.

Relaxation.

of Er ions, in borate and silicate glasses, effect of
composition. 60-01026A
dielectric, in glassy systems, theory. 60-03470A
order parameter model of liquids and glasses with
applications to. 60-03142A
perpendicular to conduction planes in $\beta\text{-Al}_2\text{O}_3$.
60-04301A
in vitreous systems. 60-01919A
electrical, in glass, Debye-Falkenhagen theory. 60-01008A
geometric, effect on thermodynamic properties of MgO
surface. 60-04307A
of glasses, memory effects. 60-03604A
metallic, use of Young's modulus to monitor. 60-02354A
mechanisms, in inorganic glasses. 60-00178A
molecular, in cement pastes, dynamics. 60-03350A
stress, in commercial glasses in transition region.
60-00295A
in silicate glasses at high temp., mechanism. 60-01092A
structural, secondary, in high-conducting Li^+ glasses.
60-01007A
time, of rare earth complexes of kaolinite. 60-00826A
of thermoelectric power of wustite. 60-03238A
transitions, in alkali silicate glasses. 60-00265A

Research,
on Si_3N_4 , for heat engines. 60-02970A
advanced materials, future requirements for. 60-00852A
cement, in Italy. 60-02079A
in cement industry, need for. 60-00019A
of fly ash, Indian, used in cement mfg. 60-03380A
on frame idealization, for bearing-wall multistory
structure. 60-03836A
geological, for silicate industry. 60-05476A
glass, Otto Schott, pioneer in. 60-03632A
for optical waveguides. 60-01054A
in glass industry, enhanced computation for. 60-03503A
on gypsum, objectives. 60-04538A
labs, hazards in. 60-03256A
laser material, in China. 60-03582A
on masonry, reinforced, in Belgium. 60-03846A
materials, Federal funding. 60-03253A
mineralogical, achievements and prospects. 60-05613A
on nuclear wastes, at Penn State. 60-05379A
on refractories, for energy applications, basic needs.
60-02018A
in structural clay industry. 60-02493A
structures, by Department of Defense, assessment.
60-00850A

Resins,

ion-exchange, use in preparation of high solid TiO_2
slurries. 60-00697P
thermosetting, impregnation of bricks with. 60-05010A

Resistance,
alkaline, of aluminosilicate glasses containing Y_2O_3 ,
 La_2O_3 , and TiO_2 . 60-00100A
oxidation, of oxide-bonded SiC refractories. 60-00430A
sulfate, of Portland-pozzolanic cements. 60-00920A

Resistance, chemical,
of enamels, B-free white, for steel. 60-00953A

Resistance, electrical. See also *Conductivity*,
electrical; *Electrical properties*.
of microelectrodes, effect of diffusion and glass
conduction on. 60-05278A
pressure-induced, in KTaO_3 , Nb_2O_5 semiconductors.
60-00818A
of semiconductor devices, apparatus for measuring.
60-00529P
temp. coeff. of, positive, BaTiO_3 ceramics with. 60-00532P

Resistivity, electrical,
of Al_2O_3 , Na beta- and beta $^+$, effect of air exposure
on. 60-02624A
of Ti carbonitrides and oxycarbides. 60-02003A
of U carbides. 60-02635A
arcs, for ionically conducting glasses, shape of. 60-04857A
of coatings, Sn oxide, correlation to microstructure.
60-00998A
dc, of ferrites, effect of various substitutions. 60-01525A
in films, CVD Si_3N_4 , measurement. 60-02697A
TaN. 60-01572A
annealed Mn-SiO. 60-02707A
oxide. 60-05298A
high-pressure, of NbO , NbO_2 , and NbCl_3 . 60-01535A
low, polycrystalline Si film with. 60-01595P

Resistors, electrical,

60-05344P; 60-05345P
ceramic, with nonlinear voltage characteristics. 60-04056P
cermet, method of making. 60-05307P
film, controlled TCR, method for fabricating. 60-00565P
glazed, with low TCR, suitability of PbO-MgO-GeO_2
glasses for. 60-04885A
nonlinear, voltage, sintered body for. 60-02785P
self supporting, made of glass, refractory, and noble
metal oxide. 60-04099P
thermistors. 60-01636P
rare earth or Y transition metal oxide, method for
making. 60-01601P
rare earth or Y, transition metal oxide. 60-01629P
thick-film, piezoelectric effects in. 60-02686A
varistor, metal oxide, method of making. 60-05320P
varistors. 60-04105P
ZnO containing Bi_2O_3 , sintering characteristics.
60-05291A

ZnO crystals with intermediate layer of metal oxides.

60-05304A
ZnO, conduction mechanisms in. 60-05267A
ZnO, conduction under dc stress. 60-00505A
ZnO, mfg. 60-02758P
ZnO, nonohmic, DLTS measurement. 60-02618A
ZnO, properties of deep levels in. 60-02692A
method of improving upturn characteristics. 60-00575P
rare-earth-ZnO, microstructure-property relations.
60-02675A
voltage-nonlinear, method of making. 60-04079P

Resonance,
EPR, of Cu^{2+} ions in TiO_2 . 60-05597A
of Cu^{2+} , determination of structural distribution
and rigidity of glass. 60-01170A
of Cd in Pb germanate crystals. 60-01747A
of Mn^{2+} doping in $(\text{La}_2\text{O}_3)_{0.9}(\text{CeO}_2)_{0.1}$. 60-03065A
of V(V) in Pb silicate glass. 60-03479A
study of Cd silicate and phosphate glasses. 60-00137A
study of Cd^{4+} in YPO_4 , ScPO_4 , and LuPO_4 . 60-03064A
study of Cu in binary oxide glasses. 60-03647A
study of Mn^{2+} in chalcogen-rich Ge-Se glasses.
60-01018A
ESR, of $\text{Al}_2\text{O}_3\text{:Cr}^{3+}$, effect of Cr concentration and
particle size on linewidth. 60-04351A
of Cu^{2+} and Ti^{3+} and Ti borate glasses. 60-02267A
in glasses. 60-01033A
line broadening of Fe^{3+} in Fe/MgO . 60-01878A
study of Fe^{3+} in Ti site of MgTiO_3 . 60-01879A
study of interaction between Cu and Mn in soda-borate
glass. 60-00188A
time domain. 60-03297B
NMR, of ^{19}F and ^{101}Tl in glasses of system P-Se-Tl.
60-01109A
 B^{19} , study of structure of borate glass. 60-00110A
hydration of fly ash cements measured by. 60-03655A
study of Li borate glasses. 60-00222A
electron spin, use in ceramics. 60-05428A; 60-05429A
ferromagnetic, of spheres of $\text{Ba}_2\text{Zn}_2\text{Fe}_2\text{O}_{11}$. 60-01920A
frequency, of YIG films, method for controlling. 60-05324P
paramagnetic, of Sn in Li aluminosilicate glasses.
60-03633A
proton magnetic, data on hardening of Portland cement
pastes. 60-03377A
torsional, study of magnetic susceptibility of glass.
60-00226A

Resonators,
SAW, ZnO on Si. 60-02723A
ferrite, self-biased. 60-02789P
tuning fork, using modified PbTiO_3 . 60-05301A

Retardants. See also *Additives*.
for plaster, gypsum. 60-00073P

Rheology,
of Na smectites, from Boa Vista district, Campina Grande,
Paraiba. 60-05690A; 60-05691A
of clays. 60-02910A
brickmaking, to determine plasticity. 60-05030A
of glasses, window, dynamic-mechanical study. 60-01176A
of slips, refractory oxide, relation to pH. 60-05114A
of suspensions, kaolin, in water and water-glycerol.
60-01492A
uses, in enameling industry. 60-00091A

Rhyolite,
glass, leaching behavior. 60-03583A

Rock wool. See *Mineral wool*.

Rockets. See *Spacecraft*.

Roofs. See also *Phosphates*; *Silicates*.
Alpine, recovery of feldspar and quartz from. 60-01716A
from Armenian SSR, production of glass-ceramics from.
60-01137A
reactivities, with glass batches. 60-01148A
silicate, Cl in, chromatographic determination. 60-02832A
treating method for. 60-03415P

Roughness. See *Surface*.

Ruby. See *Garnets*; *Lasers*.

Rutile. See also *Titanium, dioxide*.
electronic properties, theoretical. 60-03227A
optoelectronic properties. 60-02678A
phase, in glass-ceramics, modification. 60-00217A
purification. 60-00696P
semiconducting, effect of preparation. 60-00507A
study, uv photoemission and electron diffraction. 60-03242A
-type compounds, $(\text{Fe},\text{Ta})_2\text{O}_5$ and $(\text{Fe},\text{Nb})_2\text{O}_5$,
cation distribution and magnetic order. 60-03040A
crystal binding energies in. 60-01859A

Safety,
Pb, dust-free source, in glass production. 60-04790A
in ceramic industry, guide for educational workshops.
60-03279B
fire, risks, dealing with. 60-02021A
glass, fire resistant, specifications. 60-03531A
laminated, method for making. 60-04974P
in glass industry, factors affecting electric melting.
60-03663A
glass jars, approved for use in microwave ovens. 60-04758A
grinding wheels, bursting, motion of fragments. 60-04487A
large vitrified. 60-00874A
hazards, in research labs. 60-03256A
in milling and storage plants, for solid fuels. 60-00657A
precautions, in mfg. glass mirrors. 60-04743A
toxicology, chemical. 60-01852A
window, fire-resistant glass. 60-03747P

Saggars. See *Kiln furniture*.

Salts,

Al and Zr, production of refractory oxide fibers from.

60-05105A

Schoenite-type, synthesis of Co-doped Ni-Zn ferrites from.

60-04045A

alkali metal, flexible graphite sheets treated with.

60-00743P

efflorescent, in ceramics, pore data as reference

criterion for formation. 60-01316A

molten, alkali ion exchange with glass, radiometric

determination of equilibrium constant. 60-04698A

effect on enamels. 60-00955A

Samarium,

Sm₂Ge₂O₇, polymorphism under pressure. 60-01953A

separation from Nd, by anion-exchange chromatography.

60-05442A

Sampling,

isokinetic, of glass batch carryover. 60-04785A

Sands,

Indian, development of sintered zircon from. 60-05069A

SiO₂, Fossanova deposit. 60-01157A

deposit of Sarcidano, Sardinia. 60-01156A

feldspar-containing, as glass batch material. 60-01044A

foundry, apparatus for regenerating. 60-05146P

glass, deposits in West Africa. 60-01055A

technical energy problems during drying. 60-05487A

technological properties based on mineralogical data.

60-02038B

tubular grater dryer for. 60-04891A

upgrading, by magnetic separation and flotation.

60-01719A

for glass production, chemical-mineralogical appraisal.

60-00987A

mold, self-hardening. 60-00076P

packing, for gate systems of steel ladles. 60-03878A

Sandline. See *Feldspar*.

Sanitary ware,

casting molds for. 60-03993P

clays for. 60-02592A

from faience grog, effect of grog type on surface quality.

60-02582A

glaze application, electrostatic. 60-05205A

glazing, with white and colored glazes, on conveyor lines.

60-03961A

industry, improvements at Slavutsk plant. 60-05211A

innovations in casting and glazing. 60-05213A

use of new alkaline raw materials. 60-05223A

porcelain, accelerated firing. 60-05187A

production, mechanical. 60-02590A

use of trachyte as flux. 60-03977A

quality, methods for improving. 60-03963A

rapid firing, thermal behavior of compositions and raw

materials. 60-00491A

raw materials for. 60-03968A

refining. 60-01491A

triaxial, reformulation, use of linear programming.

60-01495A

Sapphire. See also *Aluminum oxide*.

EFQ growth, apparatus for supporting crucible. 60-02727P

Si interface, method for evaluating electronic properties.

60-02856A

Si on, regrowth by laser annealing. 60-02712A

films on, Si, growth by molecular beam epitaxy. 60-02643A

ZnO, CVD. 60-02613A

fluorescence in, low-temp. 60-04365A

leuco-, crystals, growth. 60-05619A

star, precipitation in. 60-01955A; 60-01956A; 60-01957A

strength and transmittance of. 60-05292A

strengthened. 60-05292A

Saws,

precision, for glass. 60-03664A

for rods, crystalline. 60-01600P

Scandium,

Sc₂O₃, and Sb₂O₃, interaction. 60-04355A

Sc₂CoSi₂ and Sc₂CoSi₂, crystal structures. 60-01865A

Sc(PO₃), crystal structure. 60-01861A

Scattering,

Brillouin, acoustic sensitivity predictions of optical

fibers using. 60-03429A

of laser radiation in piezoelectric semiconductor.

60-01565A

in silicate glasses. 60-00984A

Raman, study of structure of Li, Na, and K germanate

glasses by. 60-01173A

three-wave-stimulated, in optical fiber. 60-00291A

X-ray, from SiO₂ before and after neutron irradiation.

60-00849A

study of structure of glasses containing no modifying

oxides. 60-00264A

electronic and Raman, in MgO:Co²⁺. 60-03076A

light, from fibers. 60-01081A

from phase-separated glasses, structural origin.

60-04876A

Schools. See *Education*.

Science,

of compounds, imaginary. 60-01968A

of concretes, recent trends. 60-04513A

glass, sol-gel processes. 60-01161A

and technology. 60-03276B

materials, current topics. 60-03270B; 60-04474B

rare earth. 60-04482B

treatise. 60-00869B

mythology and technology, in refractories industry.

60-01372A

particulate. 60-03283B

Screen process printing. See *Decoration*.

Screening and sieving,

techniques, improve quality of refractory mixtures.

60-02527A

Screens and sieves,

molecular, zeolite, from SiO₂ containing flue dust.

60-00759P

zeolite, synthesis and application. 60-05521A

Sculpture. See *Art and artwork*.

Seals and sealing. See also *Bonding; Soldering*.

abradable, method of making. 60-05525P

stress relieved metal/ceramic, deformation process for

making. 60-02045P

in batteries, Na-S, stress analysis. 60-02711A

for ceramic electrolytes, in electrochemical cells.

60-00582P

of electrolyte material, in electrochemical cells.

60-05347P

for envelopes, ceramic. 60-02788P

glass. 60-01296P

epoxy resin compositions, for semiconductors. 60-05312P

glass. 60-04098P; 60-04999P

to Mo. 60-02390P

Na resistant. 60-03808P

devitrifying solder. 60-02381P

and glass-ceramics, to Al alloys. 60-00174A

hermetic, by electrostatic bonding. 60-00176A

with high ir absorption coeff. 60-04998P

laminations, for solar cells. 60-00377P

low-temp. 60-02407P

for nozzle of ink jet printer. 60-00373P

glass- or ceramic-to-metal. 60-05316P

glass-metal, Auger spectroscopy study of interface.

60-04049A

glass-to-metal. 60-05746B

hermetic. 60-00335P

for lamps, incandescent. 60-02402P

metal-to-ceramic. 60-02746P; 60-05321P

panels, insulation glass, apparatus for. 60-01208P

sight glass to metal. 60-00351P

sprayed, for turbines. 60-02946A

suspensions, gelled solder glass, for glass or ceramics.

60-03749P

Sedimentation,

and digestion steps, in Bayer Al₂O₃ process, acceleration.

60-00688P

Segregation,

at flaw tips, microscopic in glasses. 60-04856A

grain-boundary, in MgO, characterization. 60-04283A

Selenides,

Dy₂Se₃ and USe₃. 60-03046A

Selenium,

amorphous, physical properties and crystallization,

effect of experimental factors. 60-03489A

Semiconductors,

BaTiO₃. 60-05263A

surface, neutralization of ion beam on. 60-01548A

CMOS, circuits passivated with Si₃N₄, degradation.

60-05361A

GaP, technique for growing. 60-00548P

III-V binary, CVD Al₂O₃ films on. 60-01510A

KTa₂Nb₂O₁₀, pressure-induced resistance and color

change in. 60-00818A

KTaO₃, electrical conduction mechanism. 60-04209A

MOS, circuits with implanted resistor elements. 60-02743P

Si, TiN and TaN diffusion barriers in metallizations to.

60-02718A

with improved insulation, method for forming. 60-02754P

method for detecting crystal defects. 60-02750P

process for thermal nitridation. 60-05338P

Si for, apparatus for producing. 60-04053P

amorphous, electronic structure. 60-01531A

equivalent to crystalline semiconductors produced by

glow discharge. 60-00528P

morphology. 60-03613A

solar cell. 60-02725P

apparatus for producing. 60-04052P

and barriers, method of forming. 60-00572P

buried layers in, method for forming. 60-02755P

compounds, CeO₂ and TiO₂, acceptor properties for S in.

60-01508A

crystalline, produced by glow discharge, amorphous semi-

conductors equivalent to. 60-00528P

crystals, control of growth by electromagnetic radiation.

60-03999A

cutting apparatus for. 60-05309P

devices, apparatus for measuring resistance. 60-00529P

encapsulation, glass. 60-05315P

with etched profile, covered with glass, method for making.

60-01605P

fabrication, method for. 60-02752P

ferroelectric, proustite crystals. 60-01961A

ferrospinel, Mn-Zn, transfer phenomena in. 60-04460A

films, V₂O₅ films deposited from gels, properties.

60-02703A

method for growing. 60-04071P

glass, WO₃, conductivity and optical absorption. 60-00993A

electron states of impurities. 60-04737A

with flux pinning inclusions. 60-03807P

oxide, containing V₂O₅, electrical properties. 60-01031A

oxide, electrical properties. 60-03495A

phosphate-vanadate with different alkali-metal

oxide contents, electron characteristics. 60-04736A

with improved alignment marks, method of making.

60-01909P

insulated gate, method of making. 60-05331P

laser annealed, passivation of defects in. 60-04085P

layers, on monocrystalline substrates, production by LPE.

60-04072P

masking technique, used for making. 60-01596P

memory elements, nonvolatile, method of making.

60-02770P

method of making, using laser beam cutting. 60-00578P

monolayer, periodic, fabrication by MBE. 60-04077P

multichip, glass-sealed, process for forming. 60-01623P

optical, for optical fiber transmission systems,

reliability tests. 60-00519A

oxide, formation of ohmic contacts. 60-02642A

packages, analysis for trace U by fission track counting.

60-05420A

photovoltaic, methods of making. 60-00591P

piezoelectric, Brillouin scattering of laser radiation.

60-01565A

plasma oxidation. 60-01630P

process for producing, by ion implantation and nitridation

of Si substrate. 60-04090P

rutile, effect of preparation. 60-00507A

seal, epoxy resin composition. 60-05312P

single crystal, method of forming sheets. 60-05329P

for solar cells. 60-02790P

solid solutions, Nd₂Ca₂VO₈, electrical properties.

60-04009A

- of ceramics, nondestructive testing. 60-01676A
of high-E, low-E brittle composites. 60-04202A
of refractories, acoustic emission evaluation. 60-01351A
- Shrinkage,**
of cements, Hungarian. 60-03381A
of concretes, over long periods, measurement of environmental effects. 60-00035A
during drying, evaluation. 60-02842A
-free, whiteware, method and raw batch for making. 60-03994P
- Sialons,**
Li and Y, electrical properties. 60-03073A
alpha-, electrical conductivity. 60-04318A
strength. 60-01790A
beta'-, reaction hot-pressing. 60-00823A
sintered body, method for making. 60-02983P
beta-, high strength, fabrication by reaction sintering. 60-01898A
cohesion, intergranular. 60-00797A
densification, during reaction hot-pressing, mechanisms. 60-00720A
desegregation, grain boundary. 60-00797A
formation, heats and free energies, mass spectrometric study—correction. 60-04343A
heats and free energies, spectrometric study. 60-00800A
heat capacity. 60-02953A
phase equilibria, heterogeneous, calculation. 60-04277A
powders, decomposition during plasma spheroidization. 60-04292A
reaction sintering, and the alpha-Si₃N₄/beta'-sialon transformation. 60-04409A
- Sieves, See Screens and sieves.**
- Silica, See Silicon dioxide.**
- Silicates,**
Al, method for making. 60-00690P
B in, emission spectrographic determination. 60-05430A
Ba Al, filler for uv curable composites. 60-02982P
Ca, alkali, method for making. 60-05488P
effect of BaSO₄ on formation and hydration. 60-04544A
with high specific volume, production. 60-00693P
hydrates, in beta-C-S, metamict state. 60-04550A
hydration, role of hydroxyl ions. 60-04417A
method and structure for reaction forming. 60-02213P
regenerative sorbents for gas desulfurization. 60-01688A
CaSiO₃, heat of fusion. 60-02125A
K, cement, for dry gunning. 60-00077P
Mg Al₂O₃, crystalline additive. 60-00742P
Na, reaction with La chloride in aqueous solution. 60-04843A
Na aluminosilicate, crystalline, method for making. 60-02921P
Ti concentration in, micromethod for determining. 60-00641A
Zr, synthesis in presence of mineralizers. 60-02017A
akermanite-like, vibrational spectra. 60-04462A
alkali metal, interaction with Ba chloride. 60-05634A
aluminosilicate, behavior under hydrothermal conditions in alkaline medium. 60-05566A
cation-exchange sites for K-Ca exchange, heterogeneity. 60-01905A
containing ZrO₂, alkaline durabilities and structures. 60-01843A
hydrogel, synthetic, dehydration-rehydration behavior. 60-01872A
particles in fly ash, etching studies of structure and composition. 60-05431A
preparation and use as catalysts. 60-01814P
sols and powders, catalytic. 60-04254P
anhydrous, containing double chain anions, synthesis. 60-03214A
anion, constitution of Pb silicate glasses and crystals. 60-03667A
beta-Ca₂SiO₄, stabilization, ir and Raman studies. 60-03115A
boro-, crystalline, process for making. 60-05530P
cements, additive. 60-00053P
coating, on metal tying wire, method for forming. 60-02238P
crystalline, and hydrocarbon-conversion processes using them. 60-02995P
dicalcium, polymorphism. 60-00040A
process for preparing. 60-00947P
structurally related phases. 60-05706A
elasticity, dynamic determination. 60-05426A
formation, by solid-state reactions. 60-03087A
glasses, anion distributions, importance for glass formation. 60-03434A
hydrated, with industrial refuse-lime-gypsum as raw materials. 60-04539A
industry, geological research and study of raw materials. 60-05476A
as media, for selective catalysis. 60-00736A
melts, 1-atm, anionic constitution. 60-03435A
role of P₂O₅ in. 60-03181A
meta-, Na, granulation. 60-02916P
molten, statistical theory. 60-03677A
structure. 60-03689A
ortho-, mineralogy. 60-03291B
phospho-, occurrence. 60-03624A
reactivities, with NaOH solution. 60-00042A
ribbon-chain, 3-layer, structure-composition inhomogeneities, electron microscopic study. 60-05623A
slags, obtained in recovery of P from phosphates, method of refining. 60-02920P
structure, Raman spectroscopic study. 60-00256A
solid state reactions, thermodynamics and kinetics. 60-05728A
systems, Na₂O-MgO-Fe₂O₃-SiO₂, based on serpentine, mechanism of bleaching. 60-05647A
binary, structural model. 60-04430A
mechanism of liquation in. 60-05648A
with two oxide modifiers, phase separation in. 60-01123A
technology, and physical chemistry. 60-00863B
tri- and beta-dicalcium, hydration, effect of K sulfate. 60-02136A; 60-02137A; 60-02138A; 60-02139A
60-02140A
tricalcium, formation and stability. 60-00914A
vitreous, ESCA analysis of Ni ions. 60-03433A
- Siliceous materials,**
-aluminous, molten, method of making shot from. 60-03781P
collection process for, froth flotation, using hydroxy-ethylethylenediamines. 60-05490P
- Silicides,**
Ti, layer structures, backscattering analysis. 60-01847A
UCoSi₂ and ZrCoSi₂, crystal structures. 60-01866A
WSi₂, steam oxidized, Auger sputtering study. 60-03208A
di-, in system MoSi₂-TiSi₂, high-temp. oxidation. 60-03096A
- Silicon,**
B in, concentration dependence of diffusion coeff. 60-01855A
in B-C, solubility and diffusion. 60-03197A
C and O contaminants in, low-temp. evaluation. 60-02668A
O precipitation, effects of ambient. 60-02628A
³¹Si, self-diffusion in polycrystalline beta-SiC. 60-00827A
and Si on sapphire and spinel, method for bonding to Ni and Ni steel. 60-05328P
Si₃Ge₂O₇, amorphous, electronic structure. 60-03028A
Si-SiO₂ interface characterization for X-ray spectra. 60-03191A
interface, improved characterization. 60-03103A
interface, spectroscopy of H effect. 60-03135A
interfaces, determination of state density. 60-04003A
/SiO₂ interface, calculation of Auger line. 60-05570A
nucleation-controlled overgrowth. 60-05661A
/SiO₂ interface, method for determining stress. 60-02857A
amorphous, gradient doping. 60-02736P
oxidized, superconducting tunnel junction barriers. 60-02679A
attrition-milled, wet, reaction-bonded Si₃N₄, prepared from. 60-00725A
-based structural materials, detection of surface flaws by scanning photoacoustic spectroscopy. 60-05520A
bulk and epitaxial, Cr concentrations, depth distributions, and diffusion coeffs. 60-02614A
-on-ceramic, continuous coating. 60-05268A
growth technique. 60-02738P
substrate, cold growth technique. 60-02730P
chip, speeds automation of ophthalmic lens production. 60-03529A
crystal lattice, method of restoring after neutron irradiation. 60-05401P
crystalline, method of depositing. 60-02765P
crystals, Czochralski-grown, O striation and microdefects. 60-03146A
Czochralski-grown, formation process of oxide precipitates. 60-03088A
Czochralski-grown, homogeneous nucleation of oxide precipitates. 60-03100A
Czochralski-grown, precipitation and redistribution of O. 60-03164A
erosion. 60-00791A
interaction of Pd and Ti films with. 60-04023A
square, Czochralski growth of. 60-01871A
diffusion, in amorphous SiO₂. 60-04708A
erosion, solid-particle, transient and synergistic effects. 60-05731A
etchant for, PNAF. 60-01615P
etching, in He-F₂ plasma. 60-03082A
selective, relative to SiO₂, by CBrF₃ plasma. 60-02701A
fibers, heat-resistant composite reinforced with. 60-00752P
films, deposition on graphite. 60-01627P
polycrystalline, low-resistivity. 60-01595P
ion-implanted, SiO₂ antireflection coating, effect on laser annealing. 60-02705A
laser-recrystallized, structure and oxidation. 60-02616A
masks, method of making. 60-04073P
in minerals, determination by silicomolybdate blue spectrophotometry. 60-01662A
molten, infiltration reaction products, method of making. 60-04246P
nitriding, second-stage, effect of Fe, Ti, and Hf. 60-05604A
organo, high molecular weight refractory compounds. 60-03936P
oxidation, high-pressure, doping effects and impurity segregation during. 60-03095A
high-pressure, process. 60-05340P
oxide, amorphous, Auger spectra. 60-03190A
doped, films, deposition. 60-00538P
layers in, laser annealing under. 60-02662A
oxide on, reduction by heating in Ga molecular beam. 60-02696A
tunnel, photoemission measurements of interface barrier energies. 60-02682A
ultrathin, structure. 60-03207A
- oxides, and Ag, bonding, by intermediate coating of metal. 60-00319P
grown in Cl-containing ambients, correlations between electrical and material properties. 60-01516A
oxynitride, amorphous, Auger spectra. 60-03190A
under thermal constraint, structural modifications. 60-01983A
thermodynamic properties. 60-05726A
polycrystalline, anomalous stress in thermal oxide of. 60-03033A
electron traps in oxide grown from. 60-05622A
laser-induced CVD from SiCl₄. 60-02663A
reactive ion beam etching. 60-02695A
thin-film transistors on glass. 60-05289A
purity, effect on strength of Si₃N₄. 60-00783A
-rich glasses, internal friction, during transition to viscous state. 60-00191A
on sapphire, regrowth by laser annealing. 60-02712A
-sapphire interface, method for evaluating electronic properties. 60-02856A
semiconductor grade, apparatus for producing. 60-04053P
semiconductors, TiN and TaN diffusion barriers in metallizations to. 60-02718A
with improved insulation, method for forming. 60-02754P
method for detecting crystal defects. 60-02750P
process for thermal nitridation. 60-05338P
solidification, directional, method. 60-02751P
surfaces, dislocations and phase transitions, electron microscopic study. 60-01965A
thermal etching, and grain-boundary grooving. 60-02006A
wafers, C and O content, ir absorption evaluation. 60-02639A
Czochralski-grown, lifetime improvement by annealing. 60-02666A
sound device for measuring thickness. 60-04042A
- Silicon carbide, See also Refractories.**
/Al, composites, casting and molding, filament surface enhancement for. 60-00712A
-B-C, sintered body. 60-05549P
and BN in Si/SiC matrix, compliant layer, properties. 60-04223A
CVD. 60-01739A
H, thermal conductivity and electrical properties. 60-02004A
-Si matrix, composite, method of making. 60-01816P
and Si₃N₄, high-temp. structural ceramics. 60-00715A
structural, requirements for use in advanced power plants. 60-04224A
to SiC, joining, using polyborosiloxane. 60-01760A
-W, refractory pipes. 60-02529A
abrasives, Al₂O₃ coated. 60-02044P
alpha-, effect of powder characteristics on sintering. 60-04352A
hot-pressed and sintered, oxidation kinetics. 60-04377A
sintered, B redistribution during thermal oxidation. 60-04275A
sintered, estimation of fracture toughness by flow fractography. 60-04327A
sintered, proof-test studies. 60-00723A
beta-, effect of temp. on thermodynamic properties. 60-04312A
polycrystalline, self-diffusion of ³¹Si in. 60-00827A
powders, process for producing. 60-00470P
bricks, repairing mortars for. 60-02568P
coatings, rf sputtered, first-wall candidate materials. 60-01785A
concurrent flaw populations in—correction. 60-04284A
controlled nucleation thermochemical deposition, characterization and properties. 60-01736A
diamond body/, substrate composite. 60-01826P
effect of heat treatment on density and structure. 60-05364A
fibers, dynamic modulus and damping. 60-00706A
filaments, diffusion barrier materials on, study. 60-00716A
flaw populations. 60-03048A
fracture toughness, effect of loading rate. 60-01883A
furnace side frames. 60-03946P
gas phase, impregnation with. 60-00422A
heaters, electrical resistance. 60-02542P
high density, method of producing. 60-01440P
intergrowth structure, lattice-imaging studies. 60-03121A
kiln furniture, for energy reduction and quality improvement. 60-05078A
kinetics of crystallization. 60-05645A
molds, effect of technical parameters on quality and production rate. 60-05074A
particles, abrasive, sliding friction. 60-03300A
ultrafine, preparation by gas evaporation. 60-01776A
polycrystalline, beta—alpha transformation. 60-03035A; 60-03036A
polytitanocarbosilane, synthesis and conversion into inorganic compounds. 60-04227A
powders, active, containing a B component, method of making. 60-00451P
preparation by gas evaporation. 60-02969A
ultrafine, plasma preparation by vapor phase reaction. 60-00767A
pressureless method of forming. 60-03012P
reaction-bonded, effect of impurity doping on. 60-04206A
reactive ion-beam etching. 60-02971A
refractories, effect of shape of grains of pressed powders on properties. 60-00418A
nitride-bonded, properties. 60-05107A

- oxidation-resistant. 60-05124A; 60-05125A
reactions with oxidizing atmos. 60-01389A
self-bonded, production. 60-00439A
self-bonded, joining of, by Ge. 60-01761A
polycrystalline, electrophysical characteristics.
60-01350A
shaped bodies, method of making. 60-04250P
sintered, body, method of making. 60-02773P
moldings. 60-01459P
moldings, method of making. 60-03932P
substrate, composite of diamond and/or BN body on.
60-01802P
surface damage, damage due to H_2^+ and He^+ ion
bombardment. 60-05713A
thermal stability. 60-05725A
use in motors and turbines for land vehicles. 60-01795A
whiskers, recovery from coked rice hulls. 60-03018P
recovery from rice hulls by flocculation-liquid
extraction. 60-04260P
- Silicon dioxide.** See also *Coesite*; *Colloids*; *Cristobalite*;
Glass; *Quartz*; *Quartzite*; *Refractories*; *Sands*.
- Al_2O_3 , ammoniated gel, catalyst containing. 60-02979P
cogel, crystallized, catalyst using. 60-01804P;
60-01805P
C in, isotopic-spectral determination. 60-05432A
/GaAs system, sputter-deposited, interfacial layer
formation. 60-05279A
LPCVD, thermochemical calculations. 60-00843A
Si, interface, determination of state density. 60-04003A
Si on, nucleation-controlled overgrowth. 60-05661A
/Si system, alkali metal migration and accumulation.
60-02660A
Si $_3$ N $_4$ -Y $_2$ O $_3$ /SiO $_2$, use for machining cast iron. 60-00755P
Si-, interface, characterization for X-ray spectra.
60-03191A
interface, improved characterization. 60-03103A
interface, spectroscopy of effect of H at. 60-03135A
Si/, interface, calculation of Auger line at. 60-05570A
interface, method for determining stress. 60-02857A
active, from agricultural waste, suitability for improving
Al $_2$ O $_3$ porcelain. 60-03974A
effect on interaction of C $_2$ A with gypsum. 60-03352A
adsorption of water on. 60-03026A
amorphous, diffusion of Si in. 60-04708A
ash, rice husk, crystallite growth. 60-04291A
rice husk, surface properties. 60-00835A
bricks, superduty, production and properties. 60-01386A
charge trapping studies, using current injection from
Si-rich SiO $_2$ films. 60-05265A
coatings, nonplanar, characteristics. 60-01735A
colloidal, coagulation with electrolytes. 60-05575A
container, process for making. 60-00472P
-containing refractory compositions. 60-02539P
crystalline and amorphous, laser-induced breakdown in.
60-02302A
crystals, 3-dimensional symmetry of lattices. 60-05663A
diffusion of P. 60-01522A
doped with F, synthetic, continuous production. 60-00308P
doped-, optical waveguides, radiation effects. 60-03648A
etchant. 60-05348P
etching, in H $_2$ F plasma. 60-03082A
reactive ion beam. 60-02695A
fabric, metallized, for high temp. use. 60-02409P
structural stability. 60-00279A
fibers, optical, effect of purity of reactants on
attenuation. 60-00185A
wavelength dispersion characteristics. 60-02721A
films, P-doped, ir spectra. 60-05683A
on Si or metallic silicides, etchant for. 60-01588P
on Si, electron beam damage. 60-01936A
Si-rich, amorphous Si regions in. 60-03029A
Si-rich, high current injection into SiO $_2$ from.
60-02645A
grown in presence of O $_2$ -trichloroethylene, negative
bias instability. 60-01559A
radiation-induced trapping centers in. 60-01962A
reflectance study. 60-02243A
semiconductor, Auger spectroscopic study. 60-05262A
steam thermal, preparation and Raman characterization.
60-02338A
wear-resistant, for magnetic recorders, process for
making. 60-04094P
fused, compositions, method for low pressure forming.
60-00461P
defects generation mechanisms. 60-00192A
growth rate of quartz in, dependence on pressure and
impurities. 60-05590A
luminescence in, ion beam induced. 60-04357A
above transformation range, solubility and diffusion
of He in. 60-01162A
gel, changes in structure during heat treatment with
water vapor. 60-05573A
films. 60-04419A
pore structure, effect of alkali metal cations. 60-04305A
toroidal microporous. 60-01718A
glass-forming, structure at high temp. 60-04883A
glasses, adherence of metal to, ESCA study. 60-03480A
determining structural parameters. 60-04702A
ion-exchange method for fabricating. 60-03568A
rapid determination. 60-04842A
spectral emittance at high temp. 60-00270A
grown from polycrystalline Si, electron traps in. 60-05622A
irradiated, X-ray scattering from. 60-00849A
- low pressure CVD, prevention of undercutting and flaking.
60-02782P
metastable phases, pressure effect on transformation into
quartz. 60-03170A
optical absorption edge. 60-03139A
particles high in, produced by flame hydrolysis, deposition
properties. 60-02261A
precipitated, process for making. 60-02928P
production. 60-03019P
pure, porous, process of preparing. 60-00691P; 60-00762P
purity, effect on phase separation in Na $_2$ O-CaO glasses.
60-04824A
reactions with, Au and Al interface. 60-05565A
sands, Fossanova deposit. 60-01157A
of Sarcidano, Sardinia. 60-01156A
sols, colloidal, purification. 60-00975A
structure, bulk electronic. 60-03037A
controlled-pore, for refractory insulation, method of
making. 60-00353P
electronic. 60-03078A
substrates, method for applying B $_2$ O $_3$ layer to. 60-00562P
surfaces, adsorption studies, procedural aspects. 60-05681A
in system Si/SiO $_2$, viscoelastic behavior, real-time X-ray
topography studies. 60-05686A
tailings, from kaolin processing, use of "Drimax" in
dewatering. 60-00677A
thermal, hole traps introduced by Cl. 60-02296A
treatment. 60-03022P
vitreous, Group III-V analogs and bonding topology in.
60-03543A
O and Si diffusion-controlled processes in. 60-00237A
X-ray compaction. 60-04465A
charged defects in. 60-01851A
heat capacity, effect of interstitial 4 He. 60-01846A
hydroxyl-free, reaction of H with. 60-03177A
melts, behavior of bubbles. 60-04671A
random network model, refinement. 60-01963A
wastes, development of chemically bonded SiO $_2$ bricks from.
60-05067A
- Silicon nitride.** See also *Refractories*.
-22 wt% Al $_2$ O $_3$ alloy, thermal decomposition. 60-01792A
-BN, composites, for improved electrical and thermal
shock behavior. 60-04214A
-C, amorphous plate, preparation by CVD. 60-02968A
LPCVD, thermochemical calculations. 60-00843A
and SiC, high-temp. structural ceramics. 60-00715A
structural, requirements for use in advanced power
plants. 60-04224A
-Y $_2$ O $_3$, sintering, under N pressure. 60-01973A
-Y $_2$ O $_3$ /SiO $_2$, use for machining cast iron. 60-00755P
-20 vol% ZrO $_2$, oxidation-toughened, impact fracture
resistance. 60-01755A
alpha-, beta-, and amorphous, Raman and ir absorption
spectroscopic studies. 60-04406A
amorphous, Auger spectra. 60-03190A
articles, methods of forming. 60-05540P
-based, cutting tools, method of making. 60-04247P;
60-04248P
sintered body, method of making. 60-05538P
sintering composition. 60-04264P
beta-, synthesis by CVD. 60-04441A
bodies, method of making. 60-03006P; 60-04136P
molded, pseudoisostatic hot-pressing. 60-04245P
consolidation by shock compression. 60-04286A
containing Y $_2$ O $_3$ and MgO. 60-00729A
containing rare earth oxides. 60-01837P
correlation of static strength and speeds of rotational
failure. 60-05505A
deposition. 60-05310P
diamond body/, substrate composite. 60-01827P
effect of phase composition and microstructure on thermal
diffusivity. 60-04311A
effect of rate-controlling nitriding atm on formation.
60-04207A
electronic structure. 60-03079A
etchant. 60-05348P
films, CVD, applied to InP photodiodes. 60-01950A
CVD, resistivity measurements. 60-02697A
determination of H, using proton-proton scattering.
60-03172A
elasticity and expansion coeff. 60-02632A
low-temp. reactive formation on InSb. 60-01545A
made by reactive sputtering, properties. 60-02693A
thin, preparation and use. 60-01554A
use in passivation of integrated circuits. 60-02974A
for heat engines, research. 60-02970A
hot isostatic pressing, preliminary study. 60-00722A
hot-pressed, creep and strain recovery in. 60-00778A
fracture toughness. 60-01752A
fracture toughness—reply. 60-01753A
microstructural studies. 60-03128A
orientation effects on thermal diffusivity. 60-03143A
laser photochemical synthesis. 60-05532P
light-transmitting. 60-05533P; 60-05534P
low-pressure deposition, by SiCl $_4$ and NH $_3$ reaction.
60-04027A
method for increasing impact strength. 60-03005P
method of making. 60-04251P
milled, effect of additives on sinterability. 60-04304A
new polyphase alloy. 60-04374A
nozzles, use in radial flow turbines. 60-02934A
oxidation. 60-01937A
particle impact damage. 60-04379A
- passivation layers, stresses in, and Young's modulus,
determination. 60-00639A
phase changes during oxidation. 60-03112A
photo-CVD, properties and applications. 60-02669A
powder, alpha-, method for producing. 60-04244P
controlling O content. 60-00703A
reaction-bonded, with artificial pores, strength. 60-00730A
densification. 60-00704A
model of mfg. 60-00732A
oxidized, strength and fracture toughness. 60-04225A
prepared from wet attrition-milled Si. 60-00725A
turbine shrouds, fracture behavior and strength.
60-05511A
use of Ti to enhance wetting by Si. 60-00735A
reaction-sintered, characterization. 60-04203A
characterization by microhardness. 60-03041A
electron microscopy study of effect of Fe. 60-04323A
energy-absorbing surface layers on hot-pressed Si $_3$ N $_4$.
60-05509A
fractography. 60-03089A
rolling bearings, fatigue strength. 60-02948A
sintered, high strength. 60-00746P
method of making. 60-00764P
sintering, at atm pressure. 60-05515A
using Be additive. 60-00765P
strength, effect of Si purity on. 60-00783A
superhard, process for producing. 60-05544P
pure, process and apparatus for making. 60-00766P
thermal conductivity and microhardness. 60-05522A
use in motors and turbines for land vehicles. 60-01795A
- Silicones.**
mica-, composites. 60-03009P
modified, for coating optical fibers. 60-02315A
- Sillimanite.** See also *Refractories*.
deposit, in Karbi Anglong district, Assam, India.
60-01715A
powders, shock-induced transformation. 60-03189A
- Siloxanes.**
compositions, which can be cermated at high temps.
60-05550P; 60-05551P
polyboro-, joining SiC to SiC with. 60-01760A
- Silver.**
AgUF $_6$ and AgUOF $_6$, preparation and properties. 60-03167A
and Si oxides, bonding of, by intermediate coating of metal.
60-00319P
chloride, Sn oxide, Cd chloride-doped, electron beam
recording machine. 60-05004P
colloids, in photosensitive glasses, mechanism of formation
and growth. 60-01091A
images, in chalcogenide layers, process of doping.
60-04994P
-rich glasses, in system Ag-As-Se, nature of conductivity.
60-04810A
- Silvering.** See *Glass*.
Single crystals. See *Crystals* and specific types.
- Sintering.**
of Al $_2$ O $_3$, beta-, using alpha-Al $_2$ O $_3$ encapsulation.
60-04265P
doped with MgTiO $_3$, diffusion effects during. 60-03061A
in presence of talc and TiO $_2$ +MnO $_2$. 60-01974A
spray-dried β -. 60-02652A
of Al $_2$ O $_3$ -Cr and Al $_2$ O $_3$ -Cr(NO $_3$) $_3$. 60-01972A
of Cr $_2$ O $_3$ -ZrO $_2$, densification. 60-04296A
of LiNbO $_3$, effect of CdO additive on. 60-03067A
of MgSiO $_3$, effect of additives on. 60-05599A
of MgF $_2$ -LiF, solid solutions. 60-05696A
of MgO, effect of additives. 60-05089A
obtained from MgCl $_2$. 60-00447A
of MgO and Al $_2$ O $_3$, arc-melted, at low temps. 60-05697A
of MoSi $_2$, produced by powder synthesis. 60-01786A
of PZT, solid solutions, in presence of MnO $_2$ and Cr $_2$ O $_3$.
60-04041A
of Si $_3$ N $_4$, at atm pressure. 60-05515A
containing Y $_2$ O $_3$ and MgO. 60-00729A
milled, effect of CeO $_2$, MgO, and Y $_2$ O $_3$ additives.
60-04304A
region of high stability. 60-04427A
using Be additive. 60-00765P
of Si $_3$ N $_4$ -Y $_2$ O $_3$, under N $_2$ pressure. 60-01973A
of SiC, alpha-, effect of powder characteristics on.
60-04352A
of Y $_2$ O $_3$, second-phase. 60-01858A
of ZrO $_2$, Y $_2$ O $_3$ -stabilized, agglomerate and particle size
effects on. 60-01842A
of body containing kaolinite and montmorillonite, phase
formed during. 60-04402A
clay bodies, hydromica. 60-01321A
composition, based on Si $_3$ N $_4$. 60-04264P
of corundum, effect of B anhydride on. 60-05600A
diagrams, mechanism. 60-03192A
reservations in use. 60-03241A
effect of homogeneity, and process for improving.
60-03070A
of glasses, optical waveguide. 60-00267A
induction, review. 60-02972A
liquid phase, application of numerical method for grain
growth during. 60-03034A
liquid-phase, of ceramics, kinetic patterns. 60-04360A
mechanisms, refinements in determination. 60-05687A
of porcelain, with addition of SiO $_2$ -Al $_2$ O $_3$ -MO-M $_2$ O system
glasses. 60-05229A
characteristics. 60-02595A
and kaolin, phase variations during. 60-05221A

- of powders, acicular Fe₂O₃. 60-04421A
inhomogeneous binary. 60-05698A
under pressure, equipment for. 60-01656P
flow and effective pressure concept. 60-00807A
properties, of materials in system CaTiO₃-CaTiSiO₃.
60-04420A
reaction, of ZnO-Al₂O₃ mixture. 60-04410A
of alpha-Si₃N₄/beta'-sialon, densification kinetics.
60-04409A
fabrication of high strength beta'-sialon by. 60-01898A
reactive pressure, of Al₂O₃. 60-00726A
solid state, of CaO with Cr₂O₃ addition. 60-03196A
of talite, effect of additives on. 60-04715A
vacuum, apparatus. 60-04134P
of whetware, role of feldspar. 60-05226A
of zirconates, alkaline-earth. 60-03193A
- Sinters.**
Pb(Zr,Ti)O₃, at low temp. 60-01560A
ferrites, spinel Li. 60-01561A; 60-01562A
- Size.**
aqueous, for glass fibers. 60-02367P; 60-02368P
noncoloring, for glass strands. 60-02431P
polyolefin, for glass fibers. 60-03812P
with reduced gumming, for glass fibers. 60-00376P
- Sizing.**
composition, for glass fibers. 60-01240P; 60-01299P
of spun glass filaments, device for drying. 60-00311P
- Slags.**
LD, evaluation, in cement production. 60-04533A
Pb and Zn, use in wall and floor tiles. 60-03979A
S in, volumetric determination. 60-01198A
basic, attack on dolomite/magnesite bricks, microprobe
analysis. 60-05076A
blast furnace. 60-01195A
Indian, as additive for accelerating melting and
refining of glass. 60-03554A
determination of Ca, Mg, and Mn in. 60-05451A
granulated, effects of composition on hydration.
60-04531A
granulated, method for treating. 60-00944P
potential mineralogical composition. 60-04557A
synthetic, crystallization behavior by TiO₂. 60-02092A
use as raw materials for glass. 60-01195A
calumite, benefit to glassmakers. 60-00115A
coal ash, compatibility with water cooled refractories.
60-03876A
coloring of, for use in insulating panels. 60-01336A
glass, opacified with ZnS. 60-00268A
industrial, reactivities with glass batches. 60-01148A
metallurgical, attack of refractories by, hydrodynamics
and physicochemistry. 60-03891A
treatment and handling. 60-05185P
molten, apparatus for granulating. 60-01212P
phosphorus, use in production of cast tiles. 60-03976A
use in wall tiles. 60-03980A
silicate, obtained in recovery of P from phosphates,
method of refining. 60-02920P
structure, Raman spectroscopic study. 60-00256A
steel, crystalline state of MgO, FeO, and MnO in. 60-04522A
- Slaking.** See *Lime, hydration of.*
- Slip casting.**
electrophoretic. 60-00493P
- Slips.** See also *Suspensions.*
cast, of refractory oxides, thermophysical properties.
60-00449A
electrophoresis, of solid particles from. 60-05274A
enamel. 60-00965P; 60-02235P; 60-04658P; 60-04659P;
60-04660P
refractory. 60-01457P
oxide, relation between pH and rheological properties.
60-05114A
- Slurries.**
TiO₂, high dry hide. 60-00681P
high solid, use of ion-exchange resins in preparation.
60-00697P
cement, belite, effect of alkalis on hydraulic activity.
60-04523A
use of phthalic anhydride wastes as thinning agent.
60-04578A
clay, flocculated china, batch and sedimentation behavior.
60-00480A
dispersants for. 60-04062P
particulate, freezing of. 60-02999P
shelf life, methods for increasing. 60-02232A
- Smetites.**
Na, from Boa Vista district, Campina Grande, Paraíba,
rheological properties. 60-05690A; 60-05691A
in clay minerals, method for determining. 60-02851A
- Smelting.** See *Metallurgy.*
- Soapstone.** See *Talc.*
- Soda ash.** See *Sodium, carbonate.*
- Soda.** See *Sodium, carbonate.*
- Sodium.** See also *Alkalies.*
-H, interdiffusion in Na silicate glasses. 60-01160A
²³Na, second-order quadrupolar shifts in Na beta-Al₂O₃.
60-03130A
Na dizirconium triphosphate, synthesis from alpha-zr
phosphate. 60-01992A
Na₂Zr₂Si₂P₂O₁₂, electrolyte, synthesis, character-
ization, and fabrication. 60-01571A
Na₂CO₃, market trends. 60-03668A
reaction with barite in aqueous medium. 60-04408A
Na₂O, in glass and raw materials, determination using
ion-selective electrodes. 60-04700A
Na₂SO₄, evaporation of silicate glasses containing.
60-01039A
Na₂Se(PO₃)₂, crystals, determination of structure.
60-01873A
Na₂GdSiO₄, dense, highly conductive, preparation
and characterization. 60-03165A
Na₂YSe(SiO₃)₂, crystal structure. 60-05584A
NaCl, Eu²⁺-doped crystals, oriented growth and
structure of phases precipitated in. 60-05662A
with dispersion of Al₂O₃, creep of. 60-00779A
effect of gamma radiation on plastic flow. 60-03066A
NaNbO₃, ferroelectric solid solutions, phase transitions
and electrical properties. 60-04392A
NaNd(MoO₄)₃, crystals, growth from system Nd₂O₃-MoO₃-
Na₂CO₃. 60-04341A
NaOH, solution, reactivities of silicates with. 60-00042A
NaTaO₃, structure, determination by neutron powder
diffraction. 60-04435A
aluminosilicate, crystalline, process for preparing.
60-02921P
beta-Ga₂O₃, films, high ionic conductivity of. 60-05276A
carbonate, production for glass industry in Europe.
60-00269A
electrolyte deposition, in beta-Al₂O₃. 60-01891A
metasilicate, granulation. 60-02916P
motion, in phase-separated Na silicate glasses. 60-03669A
phosphate, reaction with limestone in aqueous suspension.
60-03379A
-resistant, sealing glasses. 60-03808P
self-diffusion, in silicate glasses. 60-03572A
silicate, effect of adding to charge during production of
foam glass. 60-04724A
soda ash, U.S., projection for world markets. 60-00248A
vaporization, during glassmelting, role of water vapor
and S compounds. 60-03661A
zirconogermanates, hydrothermal crystallization. 60-01909A
- Solar batteries.** See *Cells, photovoltaic.*
- Solar cells.** See *Cells, photovoltaic.*
- Solar furnaces.** See *Furnaces.*
- Soldering.** See also *Seals and sealing.*
of Al alloys, with alkali fluorophosphate glasses.
60-03671A
dip flux. 60-00096P
equipment, for electronics industry. 60-02672A
techniques, for ceramic ring assemblies as neutral beam
and vacuum pump insulators in nuclear reactors (TFTR).
60-04110A
- Solders.**
glass, for joining Al₂O₃ to Fe-Ni alloys. 60-04946P
- Solid solutions.** See *Solutions, solid.*
- Solid state.**
physics, literature guides. 60-02037B
properties, of LuRhO₃. 60-03161A
reactions, between oxides, effects of electric fields.
60-04315A
in silicates, thermodynamics and kinetics. 60-05728A
- Solidification.**
directional, of Si, method for. 60-02751P
of nuclear wastes. 60-05352A
- Solids.**
amorphous, neutron diffraction study. 60-01106A
physical properties, relation to density of states and
structural forms. 60-00129A
brittle, abrasive wear. 60-00871A
crystalline, irradiation effects. 60-02030B
dislocations. 60-00857B; 60-00858B
sinterable, and sacrificial binders, moldable mixtures
comprising. 60-01823P
-solid, reactions, analysis. 60-01844A
transport in, fast ion. 60-02028B
proton. 60-01141A
- Sols.** See *Colloids.*
- Solubility.**
of Au, in borate glasses. 60-04863A
of C, in BaTiO₃, at low O potentials. 60-00520A
Cd oxide, low, Cd glass with. 60-01219P
of H, in carbides and oxycarbides of Ta. 60-04424A
in H₂SO₄, of Fe₂O₃ and ZnO refractory mixture, used in
steelmaking. 60-01370A
of La, in Sr titanate. 60-04425A
of O, in liquid U. 60-05387A
of TiO₂, in BaTiO₃. 60-05701A
of enamels, effect on electrophoretic applications.
60-04624A
solid, of ionic carbides, X-ray study. 60-02015A
zeolite molecular sieve, in aqueous system, technique to
reduce. 60-03020P
- Solutions.**
aqueous, reactions of glasses with, effect of Al₂O₃ and
ZrO₂. 60-03483A
reactions with glass surfaces. 60-01147A
metal, growth of IVa-diboride crystals from. 60-05694A
- Solutions, solid.** See also *Phase equilibria.*
Ba titanate zirconate, modification. 60-04031A
of Ca sulfate dihydrate and Ca sulfite. 60-04566A
Cu₂, Mn₂, O₂-Cu₂, Fe₂, O₂, electric and magnetic
properties. 60-05610A
of Gd and Yb chromito-aluminates. 60-01976A
of KCl-NaCl, lattice parameters and decomposition.
60-00780A
LiF-MgF₂, precipitation. 60-05678A
MgF₂-LiF, sintering of. 60-05696A
- Nd₂-Ca₂VO₄, used as semiconductors, electrical
properties. 60-04009A
PZT, formation, reaction mechanisms. 60-04407A
90 mol% Pb(Mg_{1/2}Nb_{1/2})O₃-10 mol% PbTiO₃, hysteresis of
elastic deformation. 60-01913A
PbMg_{1/2}Nb_{1/2}O₃-PbNi_{1/2}Nb_{1/2}O₃-PbZn_{1/2}Nb_{1/2}O₃, ferro-
electric, synthesis and physicochemical properties.
60-04439A
PuO₂-UO₂, oxidation behavior. 60-05380A
UO₂-PuO₂, near- and nonstoichiometric, O potential.
60-05381A
YIG, process for producing. 60-04093P
ZrO₂-Ln₂O₃, microhardness, effect of nonstoichiometry
and disorder. 60-05606A
based on PZT, phase composition, structure, and electro-
physical properties. 60-05664A
based on PbSc_{2/3}Te_{1/3}O₃. 60-04423A
based on Sb₂Te₃, in systems Li₂Te-Sb₂Te, and
Na₂Te-Sb₂Te, physical properties. 60-03198A
ferroelectric, morphotropic phase transitions. 60-04373A
oxides, perovskite-type, calculation of crystal lattice
parameters. 60-01848A
semiconductor, changes in thermal conductivity during
phase transformations. 60-04281A
systems, Li₂SiO₃-Li₂EO₃. 60-03206A
MgO-ZrO₂, properties. 60-05684A
Na₂O-Al₂O₃-TiO₂, conductivity. 60-01856A
ZnO-MgO-SiO₂, determination of activity/composition
ratio. 60-04299A
yR₂O₃-(1-y)MO₃. 60-03120A
wustite, diversity and complexity. 60-04302A; 60-04303A
- Solvents.**
based on MoO₃, low-melting, in system solvent-ferrite,
physicochemical study. 60-05674A
- Sorel cement.** See *Cements, magnesium oxychloride.*
- Sorption.** See also *Absorption; Adsorption.*
study, of glass surfaces. 60-04777A
- Sound.**
device, for measuring thickness of films and substrates.
60-04042A
ultra-, propagation in concentrated mixtures and
suspensions. 60-01679A
velocity and absorption in ion-doped quartz glasses.
60-01197A
ultrasonics, nondestructive testing of fireclay
refractories. 60-03898A
use in glass industry. 60-03436A
- Space.**
Shuttle, development of high viscosity coatings for.
60-02945A
Shuttle tiles, possible rejection by NASA. 60-02963A
glass in. 60-00170A
processing of glass in. 60-04834A
- Spalling.** See *Refractories.*
- Spark plugs.**
insulators, coated with Zr and V oxides. 60-03988P
resistor composition for. 60-00599P
- Specific gravity.** See *Density.*
- Specific heat.** See *Heat, specific.*
- Spectra.** See also *Optical properties.*
Auger, of Si oxide, nitride, and oxynitride. 60-03190A
of Cu, in Li aluminophosphate glasses, effect of
composition on. 60-00139A
EPR, of V³⁺ ions in YAG. 60-05598A
of Fe, ferrous, in Ca Al borosilicate glass. 60-00271A
Moessbauer, in glasses, two-parameter distribution
analysis. 60-03712A
study of Fe₂TiO₃ crystals. 60-04226A
of Nd³⁺, in glasses. 60-04869A
Raman, of Ge-Sb-S system glasses in S-rich region.
60-01144A
of Na₂O-SiO₂-Al₂O₃ and K₂O-SiO₂-Al₂O₃. 60-03650A
data for devitrification of Ti-containing Li aluminosilicate
glasses. 60-03651A
of defects in neutron bombarded and Ge-rich vitreous
GeO₂. 60-01555A
absorption, ir, of F-containing alkali silicate glasses.
60-01063A
of Ti-Nd glasses. 60-04868A
ir, of metaphosphates of alkaline earth metals. 60-04353A
ir, of solid solutions of ferro- and ferroaluminogarnets
of Y and Gd. 60-04393A
ir, of spinels Fe₂SiO₄ and Co₂SiO₄. 60-05630A
dielectric, of quartz glasses. 60-04706A
electronic, of V bronze NaV₂O₁₁, computation. 60-01854A
emission, thermal, of coagulated MgO crystals. 60-04452A
-generation studies, of metaphosphate glasses with high-
Nd³⁺ content. 60-04870A
of glasses, modification by additions of Ag and Cu.
60-00218A
in system Na₂O-B₂O₃-P₂O₅, modification. 60-00219A
ir, of H isotopes in alpha-Al₂O₃. 60-03109A
of P-doped SiO₂ films. 60-05683A
and Raman, studies in cement and concrete. 60-03367A
of borate glasses. 60-00194A
of glasses in systems 0.2Al(PO₃)₂-0.8(LiF + MF) where
M = Na or K. 60-04780A
of kaolin minerals in OH region. 60-05631A; 60-05632A;
60-05633A
of spinel-hercynite series. 60-05642A
of superionic conducting glasses in system AgI-Ag₂O-
GeO₂. 60-00187A
ir reflection, of SbSBr glass. 60-03560A

- analysis of Li-Al-Si glass-ceramics. 60-03571A
of borate glasses. 60-04794A
mass, of refractory mixed oxides containing alkaline earth. 60-01924A
oscillation, of glasses in system As-Se. 60-04819A
photoelectron, X-ray, characterization of Si-SiO₂ interface. 60-03191A
photoluminescence, of SnO₂, impurity transitions in. 60-01910A
of refractories, stabilized ZrO₂, effect of ionizing radiation on. 60-03885A
vibrational, of akermanite-like silicates and germanates. 60-04462A
and glass structure. 60-00293A
of glasses in relation to deactivation of rare-earth ions. 60-04904A
of vitreous B₂O₃. 60-03245A
- Spectrometry**,
atomic, trace element analysis of solids by. 60-02836A
atomic absorption and emission flame, use in glass industry. 60-04668A
emission, electron excited, determination of rare earths using. 60-05592A
fluorescence, X-ray, determination of F content in glasses. 60-03652A
atomic. 60-05422A
ion mass, in-depth analysis of ceramic materials. 60-02841A
local in-depth analysis of oxide glasses. 60-04793A
secondary, determination of B and Li in nuclear materials. 60-05425A
photon, sputter-induced, glass leaching studies. 60-00171A
- Spectrophotometers**. See *Photometers*.
- Spectrophotometry**. See *Photometry*.
- Spectroscopy**,
AES and ISS, study of BaTiO₃ and Gd₂(MoO₄)₃ crystal surfaces. 60-05639A
Auger, of semiconductor SiO₂ films. 60-05262A
study of interface in glass-metal seals. 60-04049A
EMR, study of fusion processes of natural glasses. 60-00283A
of LaCoO₃ and O chemisorbed on. 60-03243A
NMR, study of supercooling of ZnCl₂-urea glass-forming melt. 60-03614A
Raman, of As in K silicate glasses. 60-00257A
characterization of surface oxides by. 60-03042A
of heat-treated B₂O₃-SiO₂ glasses. 60-04840A
and ir absorption, studies on Si₃N₄. 60-04406A
of Portland cement hydration. 60-00030A
of surface oxides at elevated temps. 60-02852A
X-ray photoelectron, study of role of Ce suboxides in low-work-function films. 60-02698A
absorption, coordination of Ti in TiO₂-SiO₂ glass by. 60-00095A
accuracy, for estimating heat of decomposition. 60-05554A
electron tunneling, XPS study of Al₂O₃ films used in. 60-00526A
of glasses, containing Fe with different redox ratios. 60-00272A
ir, of alkali-free fluorogermanate glasses. 60-04782A
of reduced Pb silicate glasses. 60-04783A
of rice husk ash. 60-00833A
study of formation of primary mullite in kaolins. 60-05643A
of surfaces of glasses containing alkali ion. 60-01064A
of vibrational state in oxide crystals. 60-00801A
mass, of Al₂O₃. 60-01979A
evaporation from binary glasses by. 60-00158A
mechanical, application to problems in inorganic glass. 60-00105A
photoelectron, X-ray, study of surface of electrochemically colored glasses. 60-03720A
photoemission, X-ray, studies of Na₂O aluminosilicate glasses. 60-01202A
scanning photoacoustic, detection of surface flaws in structural ceramics by. 60-05520A
visible, of irradiated borate and phosphate glasses. 60-02358A
- Spheres**,
Ba₂Zn₂Fe₂O₁₁, ferromagnetic resonance. 60-01920A
UO₂, flow sheet for preparation by internal gelation. 60-02799A
hollow, method for producing. 60-03775P
micro-, method for introducing gases into. 60-03771P
stationary, heat transfer to, in a plasma flame. 60-04213A
- Spinel**. See also *Refractories* and *Specific types*.
Al-Mg, plastic masses based on, method for controlling molding properties. 60-05197A
Fe₂SiO₄ and Co₂SiO₄, ir absorption spectra. 60-05630A
Fe-aluminate, cation distribution and defect chemistry. 60-03039A
Mg aluminate, O diffusion in. 60-04378A
Mg-Al, formation under high pressure and temp. 60-04331A
photoelectric effects. 60-03160A
MgAl₂O₄, conditions for low-temp. synthesis from oxides. 60-03877A
space group. 60-05702A
chalcofenide, with formula AB₂X₄, computer prediction. 60-00777A
corundum + periclase, equilibrium boundary. 60-01896A
domes, press forging. 60-01777A
ferro-, Mn-Zn, semiconductors, transfer phenomena in. 60-04460A
formation from mixture of Fe₂O₃ and NiO, kinetics and mechanism. 60-05644A
- high-density, possibility of obtaining. 60-00515A
films on, Si, growth by molecular beam epitaxy. 60-02643A
hercynite series, ir spectra. 60-05642A
magnetite and Fe-aluminate, electronic conduction and thermopower. 60-04011A
-pyroxene, glass-ceramics. 60-03674A
secondary, in burned MgO-chrome bricks, behavior. 60-05055A
structure and thermodynamic properties, correlations between. 60-04287A
in system Li-Mn-Fe-O, synthesis and properties. 60-03213A
transparent, fusion-casting. 60-05512A
polycrystalline, sintered body, method for making. 60-05336P
- Spodumene**,
porous. 60-01486A
- Spraying apparatus**,
for refractory ducts. 60-05053A
- Spraying, electrostatic**. See *Electrostatic processes*.
- Spraying**. See also *Atomization*.
coprecipitation by, automatic pH control system. 60-05424A
electrostatic, of powdered enamel into hollow parts. 60-00084A
refractory materials, apparatus and method for. 60-05144P
- Sputtering**,
ion beam, deposition of PZT films by. 60-04002A
reactive, deposition of nitride films by. 60-01550A
magnetron, preparation of Sn-doped In₂O₃ films by. 60-02689A
reactive, deposition of AlN films on glass substrates by. 60-04028A
rf reactive planar, growth of piezoelectric AlN films by. 60-02670A
magnetron-plasmatron, reactive dc, of Ta₂O₅ and TiO₂ films. 60-01782A
reactive dc, deposition of Cd Sn oxide films by. 60-02611A
rf, of Sr₂Nb₂O₇. 60-01558A
preparation of superconducting BaPb_{1-x}Bi_xO₃ films by. 60-00516A
system, for uniform quartz deposition. 60-02793P
- Stability**,
of B₂O₃, bipyramidal. 60-03205A
of Si₃N₄, and liquid phase, during sintering. 60-04427A
of alpha- and beta-CaCr₂O₄, with MgO additions. 60-04426A
of beta-Ta₂, sputtered, by Ta silicide interlayer. 60-01564A
chemical, of Zn-containing glasses during crystallization. 60-04686A
of silicates in system SiO₂-Al₂O₃-MgO-CaO-MnO. 60-04687A
of coatings, ZrO₂ (Y₂O₃) thermal barrier, in turbine fuel. 60-02233A
of foam, formed during polishing of optical glass. 60-03675A
of glass phase, in glass-ceramic systems. 60-03612A
heat, of glass containers during sterilization of foods. 60-04764A
lateral mode, of diode lasers, by apertured facet reflectors. 60-04026A
of nuclear wastes, and geochemical interactions in repositories. 60-05389A
of powders, spray-frozen/freeze-dried β'-Al₂O₃. 60-01966A
of refractory shafts, in blast furnaces. 60-01403A
structural, of high-SiO₂ fabric. 60-00279A
thermal, of gamma-FeOOH in aqueous suspensions. 60-03232A
of long-period polytype of SiC, 51R. 60-05725A
of magnesian ceramics in low-temp. plasma stream. 60-04228A
of multite-containing refractories, effect of gaseous media on. 60-05072A
of multite-corundum with fractured-surface structures, relation to strength. 60-05688A
thermodynamic, of CaO-6Al₂O₃, and reactions with oxides of Ti, Cr, and Zr. 60-04455A
uv, of glass fibers, sizing composition for improving. 60-05000P
- Stabilization**,
of beta-Bi₂O₃, by Sb₂O₃ doping. 60-01981A
of beta-Ca₂SiO₄, ir, and Raman studies. 60-03115A
of cements, basalt-containing portland, with phosphogypsum. 60-00924A
of clays, in U leaching and restoration. 60-05489P
of colors, for structural clay products. 60-05031A
energetic-vacancy, mechanisms, of TiO and TiC. 60-03126A
of ferric thiocyanate color, for determination of trace amounts of Fe in ZnO and Sn minerals. 60-05449A
of glass feed, in fiberization by torsion. 60-03810P
of soil, with binder made from petrochemical sludge ash. 60-00905A
- Sticking faults**,
oxidation-induced, effect of F on. 60-03105A
- Staining**,
Cu, of glass articles. 60-02421P
amber, of glass. 60-03431A
- Stains**. See *Color; Pigments*.
- Standards**,
EPA, for reducing emissions from glassmelting furnaces. 60-04711A
for evaluating setting of gypsum, French. 60-00049A
for structural clay products, in Italy, need for updating. 60-05029A
- Stannic**. See *Tin*.
- Stannous**. See *Tin*.
- Steam**,
high-pressure, high-temp., effect on Al₂O₃ refractory concretes. 60-03886A
hydration of silicate glasses in. 60-00181A
- Stentite**. See *Talc*.
- Steels**. See also *Enameling metals; Iron*.
Si-, sheets, method for forming heat-resistant coating. 60-02237P
enamel for. 60-04657P
high-Mn, attack on aluminosilicate refractories. 60-01330A
inclusions, marking refractories with nonradioactive tracers to determine origin. 60-03894A
liquid, reaction of refractory walls. 60-02525A
martensitic, for glass molds. 60-03222P
plates, for enameling, production. 60-03421A
pretreatment, effect on adherence of porcelain enamel. 60-04666A
reinforcement, in expansive cements, anodic polarization. 60-04511A
sheets, properties and characteristics for porcelain enameling. 60-04641A
soils, identifying. 60-04618A
stainless, targets, laser liquid damage to. 60-03581A
substrates, porcelain enameled. 60-03420A
- Stochiometry**,
non-, in Cu₂-Mo-S₂ compounds. 60-04396A
of Y₂Fe₂O₇, Gd₂Fe₂O₇, and Y₂Gd₂Fe₂O₇. 60-05660A
in undoped BaTiO₃. 60-05284A
- Stones**. See *Rock*.
- Stoneware**. See also *Archeology; Bodies, ceramic; Dinnerware*.
of Red Wing, Goodhue Co., Minn. 60-03267B
Tr'u-chou type, through seven centuries in Northern China. 60-03274B
- Strains**,
in cables, optical fiber, measurement using resistance wire. 60-02339A
internal, in crystallized Li₂O-Al₂O₃-SiO₂ glass. 60-01059A
recovery, in hot-pressed Si₃N₄. 60-00778A
residual, effect on high pressure densification of nonoxides. 60-00708A
in nuclear graphite, effect on thermal conductivity. 60-05367A
shock-induced, thermal, means for growing ribbon crystals without. 60-00557P
- Strength**,
of Si₃N₄, effect of Si purity on. 60-00783A
oxidized reaction-bonded. 60-04225A
reaction-bonded turbine shrouds. 60-05511A
reaction-bonded with artificial pores. 60-00730A
bending, of electrooptical ceramics. 60-05264A
of glasses subjected to ion exchange. 60-04672A
of grinding wheels, measurements. 60-04486A
biaxial, of glass, appraisal of testing. 60-00106A
of brickwork, in combined racking shear and compression. 60-03854A
of brittle materials, effect of crack interaction. 60-05601A
of cements, aluminous, effect of curing temp. and humidity. 60-02095A
effect of additives and clinker composition. 60-02132A
hardened. 60-00047A
portland, effect of MgO content. 60-04545A
reinforced with glass fibers, analysis by reliability concept. 60-04874A
of ceramics, effect of stresses on. 60-00784A
at high temps. under tension. 60-03202A
porous, sintered from spherical particles. 60-00831A
characteristic, of structural clay products, concept. 60-03828A
of compacts, indented glass-Ni. 60-00275A
compressive, of Ca silicate brick walls. 60-03827A
of low-porosity portland cement. 60-00020A
strain-rate-dependent, in ceramic materials, mechanisms responsible for. 60-03127A
of concretes, high-Al₂O₃ cement, at elevated temps. 60-00038A
controlling flaws, in beta-Al₂O₃. 60-01789A
of diamonds. 60-04428A
electrical breakdown, of Al₂O₃ at high temps. 60-04317A
fatigue, of Si₃N₄ rolling bearings. 60-02948A
of fibers, glass, effect of plastic coating. 60-01126A
multicomponent glass. 60-03680A
flexural, of C and graphite, relation to porosity. 60-02949A
of cement-based composites using sisal fibers. 60-04210A
of cements, effect of porosity on. 60-03360A
fracture, of Li aluminate structure for molten carbonate fuel cells. 60-00713A
of SiC, effect of loading rate. 60-01883A
of brittle building materials. 60-04464A
of brittle composites, micromechanisms controlling. 60-02960A
of brittle materials, determination using small specimens. 60-01664A
of ceramics, acoustic emission testing. 60-01665A
in commercial glass-ceramics. 60-02284A
critical evaluation of indentation techniques for measuring. 60-05579A; 60-05580A
of dense hydroxylapatite. 60-01751A
of fused SiO₂ and float glass at high temps. 60-03522A

- of hot-pressed Si_3N_4 . 60-01752A
 of hot-pressed Si_3N_4 —reply. 60-01753A
 of mortars, effect of shape and surface texture. 60-03355A
 of sintered alpha- SiC , estimation by flaw fractography. 60-04327A
 of glass. 60-00286A
 coated with metal films. 60-04875A
 in contact loading. 60-03662A
 of glass-ceramics, effect of machining damage. 60-04719A
 -grain size study, simulated, using glass-glass-ceramic. 60-02336A
 grain-size dependence. 60-03093A
 of grinding wheels, using glass and glass-ceramic bonds. 60-03679A
 high-temp., of AlN hot-pressed with Al_2O_3 additions. 60-03099A
 hot, of MgO-based refractories, relation to CaO/SiO_2 ratio. 60-03879A
 impact, of Si_3N_4 , method for increasing. 60-03005P
 of insulators, high tension, effect of surface defects on. 60-05202A
 interfacial bond, in Al_2O_3 metallized and cofired with W. 60-04024A
 lateral, of brickwork. 60-03842A
 load resistance, of brickwork walls. 60-03841A
 long-term, effect of slow crack growth. 60-05699A
 mechanical, of aluminosilicate glasses, increased by etching. 60-03553A
 of glass containers. 60-04798A
 of glasses. 60-00212A
 of high- SiO_2 glasses, effect of surface energy on. 60-04722A
 of mortars, C/S, effect of temp. increases during hydration. 60-00029A
 of multie-corundum, with fractured-surface structures, relation to thermal stability. 60-05688A
 of refractories, measurement. 60-00427A
 phosphate-bonded Al_2O_3 . 60-03912A
 of sapphire. 60-05292A
 of silions, alpha-. 60-01790A
 static, of Si_3N_4 , correlation to speeds of rotational failure. 60-05505A
 stress, reduction in fused SiO_2 ; fiber lightguides. 60-00301A
 -structure, relations of cement paste materials. 60-00929A
 tensile, bond, of concrete masonry, use of centrifugal force for determining. 60-04162A
 derivation of stress-strain curve from bending data. 60-04298A
 of glass optical fibers, statistics. 60-03678A
 of packaged optical fibers. 60-03701A
 of tubes, beta- Al_2O_3 . 60-03203A
 variations, statistical, theoretical aspects. 60-01998A
 of walls, brick, under enforced end rotations. 60-03853A
 of zeolites, clay-bonded synthetic, relation to expansion-shrinkage behavior. 60-05518A
- Strengthening,**
 ceramics, by circumferential microcracking. 60-04459A
 chemical, of glasses. 60-04837A
 compressive, of optical fibers by porous glass process. 60-00124A
 glass, by alkali-Cu ion exchange. 60-01169A
 articles, by ion-exchange, bath for. 60-04919P
 articles, method. 60-01277P
 containers. 60-02291A
 containers, through better handling. 60-03707A
 by ion-exchange. 60-00352P; 60-01301P; 60-01302P
 by metallic particles. 60-04899A
 glass-ceramics, F-containing Li Al silicate, mechanism for. 60-00213A
 refractories, calcined Al silicate. 60-05184P
- Stresses,**
 in Si_3N_4 layers, passivation, determination. 60-00639A
 at Si/SiO_2 interface, method for determining. 60-02857A
 anomalous, in thermal oxide of polycrystalline Si. 60-03033A
 in cermets, metal/porcelain, method for measuring. 60-04631A
 environmental, in vicinity of cement plants. 60-04532A
 from expansion and transformations, effect on strength of ceramics. 60-00784A
 factors, for curvilinear cracks, calculation. 60-00640A
 in films, CVD vitreous, temp. dependence. 60-05296A
 sputter-deposited Ni and Cu-oxide. 60-01566A
 glaze-, calculation from ring-test data. 60-00486A
 -induced microcracking, at second-phase inclusions. 60-03204A
 intensity factor estimates, for cracked void and surface pit, refinement. 60-01964A
 internal, of inorganic glasses. 60-04776A
 in joints, glass-to-glass, method for calculating. 60-01094A
 in masonry, refractory. 60-03913A
 mechanical, in dc reactively sputtered Fe_2O_3 films. 60-04030A
 one-dimensional, effects on Pb Sr zirconate titanate hydrophone and undoped PZT. 60-04007A
 pre-, in hoop-bound rings of piezoelectric materials. 60-05453P
 relaxation, in silicate glasses at high temp., mechanism. 60-01092A
 residual, in CVD B on C filaments, calculation. 60-00699A
- in clad glass rods, comparison of measurements—correction. 60-00123A
 in clay bricks. 60-03847A
 in crystals, method for reducing. 60-02761P
 in dynamic fatigue of abraded glass. 60-01152A
 in siliceous glass between multilayer crystals. 60-02335A
 in singly and doubly ion-exchanging glass. 60-01151A
 shrinkage, in asbestos-cement composites. 60-00044A
 strain curve, derivation from bending data. 60-04298A
 surface, in tempered glass sheets, measurement using optical waveguide effect. 60-03630A
 thermal, in ZrO_2 -toughened Al_2O_3 . 60-02010A
 in porcelain enamel-coated rods. 60-04647A
 in severe environments. 60-00868B
 transient, in cylinders with square cross section. 60-00846A
- Striations,**
 impurity, in Al_2O_3 crystals. 60-00805A
- Strontium,**
 $\text{Sr}, \text{Nb}_2\text{O}_5$, rf sputtering. 60-01558A
 $\text{Sr}, \text{FeTaO}_3$, X-ray and Moessbauer studies. 60-03248A
 SrO , F^+ centers, fluorescence yield and lifetime, temp. dependence. 60-03223A
 optical absorption and emission near band edge. 60-03138A
 fluoride, interaction of tetrafluorides of Zr and Hf with. 60-01911A
 hexaferrite, flash hot-pressing. 60-01533A
 powders, ceramic and magnetic properties. 60-02939A
 niobates, with structure of tetragonal bronze. 60-03133A
 in wollastonite, replacement of Ca by. 60-01967A
- Structural clay industry,**
 in China. 60-05013A
 in Comoros countries, technical progress. 60-05035A
 in France, tour of three roofing tile works. 60-00390A
 General Shale solar house sparks interest in Knoxville. 60-02477A
 in Iraq, effect of climate. 60-05019A
 in Italy, need for updating regulations. 60-05029A
 in the Netherlands, use of waste products. 60-00391A
 O process, for reducing fuel costs. 60-02882A
 apparatus for loading tile ovens. 60-00624P
 chamotte pieces, new production line, at Guterborn quarry. 60-00387A
 clay storage, at brickworks. 60-02465A
 clays, Kerala, evaluation and use. 60-01310A
 Kirovograd, use. 60-01327A
 colors, stabilizing for a range of firing temps. 60-05031A
 components, compatible, prefabrication. 60-00711A
 conservation, energy. 60-01319A
 controllers, programmable, for molding and pressing. 60-02491A
 dryers, chamber, replacement of hot-water air heaters by gas burners. 60-02474A
 drying, tunnel and chamber, running costs. 60-01320A
 emissions, F, noxious effects and control. 60-02489A
 energy, problems and possibilities. 60-01309A
 extrusions, laminations in. 60-02481A; 60-02482A
 firing, energy conservation. 60-02468A
 forming, cold. 60-02466A
 fuels, coal firing. 60-05014A
 future. 60-05744A
 heat exchangers, use. 60-01323A
 heat pumps, use. 60-01324A
 heat recovery, from flue gases. 60-01312A
 kiln cars, unloading machine for. 60-01322A
 kilns, tunnel, heat technology. 60-05754B
 mills, pan, cost of operating. 60-05034A
 mines, open pit, preparation and operation. 60-05485A
 modernization, problems connected with. 60-05028A
 plants, dryer-crusher. 60-05017A
 preparation plant, of Zeller Co., Alzenau, West Germany. 60-01317A
 raw materials, Wadi Gharandel clay deposits. 60-02501A
 preparation and storage. 60-02819A
 refractories, fiber, limits in use. 60-05022A
 research and development needs. 60-02493A
 slow start for new decade. 60-02460A
 tests, drying, practical procedures for. 60-00389A
 tiles, extruded, automated production. 60-00385A
 roofing, automated production. 60-01311A
- Structural clay products.** See also Brick; Tile.
 60-03294B
 acid-resistant. 60-01325P
 blocks, construction, production. 60-05043P
 drying in jet air stream. 60-05409A
 hydrostatic pressing, semiautomatic assembly. 60-03849A
 building elements, glazed, method for producing. 60-03867P
 method for producing. 60-03866P
 colored, process for making. 60-01326P
 composites, wall/beam, method for analyzing. 60-03822A
 and concretes, tangential adherence between. 60-02860A
 and ecology. 60-05012A
 economy in firing. 60-02468A
 extrusions, laminations in. 60-02481A; 60-02482A
 laminations in, cause and cure. 60-05021A
 forming, cold, using double-layer technique. 60-02466A
 frame idealization, for bearing-wall multistory structure, research. 60-03836A
 heavy, use of cubic shaped sawdust. 60-02502A
 masonry, reinforced, tests on behavior of compression zone. 60-03856A
 raw materials, preparation and storage. 60-02819A
- research and development needs. 60-02493A
 standards, for house wall construction, in Europe. 60-03852A
 strength, characteristic, concept. 60-03828A
 surface treatment. 60-05033A
 technology. 60-03296B
 wall panels, laterally loaded, design. 60-03833A
 walls, improving quality. 60-03839A
- Structural materials.** See Aggregates; Brick; Building materials; Cements; Concrete; Enamelled ware; Glass; Insulation, thermal; Masonry; Structural clay products.
- Structure,**
 of Al_2O_3 , alpha-, study. 60-05705A
 of Al_2O_3 - TiO_2 , plasma-prepared powders. 60-00731A
 of B_2O_3 , bipyramidal. 60-03205A
 vitreous. 60-03245A
 of BaTiO_3 , finely dispersed, doped with BaTiO_3 . 60-04319A
 of InVO_4 . 60-05707A
 of K_2SO_4 , at high temp. 60-05709A
 of $\text{K}_2\text{TaF}_7\text{O}_8$. 60-05708A
 of $\text{La}_{2-x}\text{Sr}_x\text{CrO}_6$, use as substitute for Pt-Rh wire. 60-05293A
 of $\text{Mg}, \text{Hf}, \text{O}_2$. 60-01984A
 of NaTaO_3 , by neutron powder diffraction. 60-04435A
 of $\text{Pb}, \text{Rh}, \text{O}_2$. 60-04433A
 of Si, laser-recrystallized. 60-02616A
 of Si oxynitride, modifications under thermal constraint. 60-01983A
 of SiC, effect of heat treatment on. 60-05364A
 of SiO_2 , glass-forming, at high temp. 60-04883A
 of $\text{Sn}, \text{W}, \text{O}_2$. 60-05657A; 60-05658A
 of Y_2O_3 , fused monocrystalline. 60-01986A
 of alloys, glass-forming Se-Te. 60-03687A
 of aluminosilicate particles, in fly ash, etching study. 60-05431A
 of aluminosilicates, containing ZrO_2 . 60-01843A
 of bronze, niobates of Sr with. 60-03133A
 of cements, during early stages of hardening, effect of plasticizers on. 60-04527A
 of ceramics, based on system PbTiO_3 - La_2O_3 - 3TiO_2 . 60-04431A
 of clays. 60-04320A; 60-04321A
 kaolinitic, effect of mineral content, particle size distribution, and degree of order. 60-05475A
 of clinkers, cement, effect of CaF_2 , CaCl_2 , and CaSO_4 on. 60-00022A
 portland cement, doped with CaF_2 . 60-00048A
 coalesced, of Au films condensed on glass. 60-04688A
 -composition inhomogeneities, in 3-layer ribbon-chain silicates, electron microscopic study. 60-05623A
 of condensates, vacuum, control, using dispersed particles. 60-01514A
 crystal, of Au(III) oxides and oxichloride. 60-03091A
 of BaTiO_3 , XRD analysis. 60-02864A
 of CaGeO_4 . 60-05582A
 of $\text{K}(\beta\text{SiMoW}_2\text{O}_{19})\cdot 9\text{H}_2\text{O}$. 60-05583A
 of La_2O_3 , B_2O_3 , 2MoO_3 , and La_2O_3 , B_2O_3 , 2WO_3 . 60-00832A
 of $\text{LiZn}(\text{BO}_3)$ and $\text{LiMn}(\text{BO}_3)$. 60-01860A
 of $\text{Mn}(\text{BO}_3)$, synthetic jinnite. 60-01862A
 of $\text{Na}_2\text{CoGeO}_4$. 60-03052A
 of $\text{Na}_2\text{SO}_4(\text{PO}_3)_2$. 60-01873A
 of $\text{Na}_2\text{YSe}(\text{SiO}_3)_2$. 60-05584A
 of $\text{Nb}_2\text{Ti}_2\text{O}_{10}$. 60-04429A
 of Nd_2GeO_4 . 60-01863A
 of $\text{Pb}, \text{Nb}, \text{YbO}_3$, X-ray study. 60-02014A
 of $\text{Sc}, \text{Co}, \text{Si}$, and $\text{Se}, \text{Co}, \text{Si}$. 60-01865A
 of $\text{Sc}(\text{PO}_3)_2$. 60-01861A
 of UO_2Si and ZrO_2Si . 60-01866A
 of URu_2B_2 . 60-05360A
 of Y-Hf-Al garnet. 60-04043A
 of gypsum. 60-04520A
 of hydroxyfluorides of Zn and Cd. 60-01864A
 of synthetic olivine. 60-03053A
 defect, of PLZT doped with Mn, Fe, and Al. 60-04000A
 equilibrium, of Fe-doped MgO . 60-04326A
 of high-temp. modification of GeTe . 60-00781A
 in nonstoichiometric metal oxides. 60-03054A
 of quartz, effect of heat treatment. 60-03069A
 in undoped and La-doped BaTiO_3 . 60-05588A
 of vitreous Be fluoride. 60-01072A
 disorder, in dickite. 60-03058A
 disordered, of $\text{beta}[\text{Li}_2\text{CoSiO}_6]$. 60-05596A
 domain, of BaTiO_3 . 60-05271A
 of pseudouniaxial crystals. 60-03063A
 electron, of alkali metal phosphate glasses, modeling. 60-04804A
 electronic, of Pb glasses. 60-01036A
 of Si_3N_4 . 60-03079A
 of SiO_2 . 60-03078A
 of SiO_2 . 60-04109A
 of amorphous As_2S_3 . 60-03432A
 of amorphous $\text{Si}_3\text{Ge}_2\text{O}_7$. 60-03028A
 of amorphous semiconductors. 60-01531A
 bulk, of SiO_2 . 60-03037A
 of carbides and nitrides of Hf and Ta. 60-02013A
 in carbides and nitrides of U, scattered wave study. 60-03077A
 of model Pb glasses. 60-03499A
 of oxide glasses. 60-01034A; 60-01035A
 of fibers, aluminosilicate glass, during heating. 60-04882A
 inorganic synthetic glass. 60-00282A
 of films, CdS, CdSe, and CdTe. 60-01568A
 Cr-SiO. 60-01527A

- PbTe, grown on LiNbO₃, 60-01569A
 dc sputtered MnCo₂O₄, 60-01567A
 grown by ion-beam-activated vacuum deposition, 60-01570A
 sputtered Al₂O₃, 60-02713A
 sputtered ZnO on sapphire, 60-02714A
 ultrathin oxide on Si, 60-03207A
 fine, extended X-ray, for Mn oxides, 60-03188A
 formation, in chromate-bonded Al₂O₃, physicochemical processes, 60-04394A
 of glass network, determined by EPR of Cu²⁺, 60-01170A
 of glass-ceramics, 60-03685A; 60-03686A
 of glasses, B₂O₃, model for, 60-03682A
 B₂O₃, molecular dynamic calculation, 60-04808A
 F-containing alkali silicate, 60-01063A
 Li, Na, and K germanate, Raman scattering study, 60-01173A
 Na borosilicate, molecular dynamic calculations, 60-02316A
 Na fluorophosphate, 60-04881A
 R₂O(Na₂O, K₂O)-ZnO, 60-04738A
 Sb₂O₃, XRD study, 60-03719A
 SiO₂, 60-04702A
 Ti-containing K-Al phosphate, neutron diffraction study, 60-03619A
 TiO₂-Ti₂O₃-P₂O₅, 60-04878A
 V₂O₅-BaO-K₂O-ZnO, 60-04738A
 alkali germanate, spectroscopic study, 60-00255A
 alkali-free F-containing borate, 60-00249A
 alkali-free Ti-rich, changes during heat treatment, 60-04679A
 aluminofluorophosphate with fluorides of Group II and III elements, 60-03684A
 analysis from gas transport studies, 60-01131A
 borate, B¹⁹ NMR study, 60-00110A
 borate, interpretation, 60-00194A
 chlorophosphate, 60-01062A
 containing no modifying oxides, SAXS study, 60-00264A
 inorganic, diffraction study, 60-01100A
 mixed alkali silicate, 60-01174A
 rare-earth-doped BeF₂, 60-00288A
 silicate and phosphate, 60-01203A
 silicate, analysis, 60-00190A
 slag, relation to properties, 60-04853A
 with sulfide base, 60-03697A
 superionic conducting, in system AgI-Ag₂O-MoO₃, 60-00281A
 in system Li₂Si₂O₇-TiO₂, Raman spectroscopic study, 60-04877A
 in system MgO-B₂O₃, determination, 60-04701A
 in system P₂O₅-V₂O₅-N₂O₅-TiO₂, 60-04884A
 in system PbO-Al₂O₃-B₂O₃, 60-04880A
 in system SnO-SiO₂, 60-03688A
 in system SrO-BaO-Al₂O₃-TiO₂-SiO₂, its spectroscopic study, 60-04781A
 and vibrational spectra, 60-00293A
 of grain boundaries, in Al₂O₃, diffraction and microscopic study, 60-00788A
 grain-boundary, electron diffraction and microscopy techniques for studying, 60-04322A
 of hydroxyapatites, synthetic and bone, 60-03086A
 instantaneous, of MgSiO₃ melt simulated by molecular dynamics, 60-03562A
 intergrowth, of SiC, lattice-imaging studies, 60-03121A
 ladder-type, preparation and properties of PZT with, 60-04036A
 lattice distortion, and quadrupolar ordering, in UO₂, 60-04115A
 lattice modes, in ferroelectric perovskites, 60-03119A
 lattice parameters, of solid solutions in systems yR₂O₃-(1-y)MO₃, 60-03120A
 of metals, alkaline earth, during substitutions in various sublattices, 60-05594A
 model, for binary silicate systems, 60-04430A
 of nitrides, 60-04032A
 perovskite, dielectric material with, method of producing, 60-04082P
 slags, compounds with, 60-05576A
 of porcelain, effect of wollastonite, 60-05204A
 pore, of C/S, effect of curing temp, 60-03353A
 of SiO₂, effect of alkali metal cations on changes in, 60-04305A
 of precipitated phases, in Eu³⁺-doped NaCl crystals, 60-05662A
 /property, relations, of glass-ceramic fibers, 60-01175A
 of rare-earth titanates, during substitutions in various sublattices, 60-05594A
 of refractories, made from marly clays, 60-00414A
 short-range-order, of glassy and crystalline alloys of Si-Te and Ge-Te, 60-01102A
 of silica gel, during heat treatment, changes in, 60-05573A
 of silicates, molten, 60-03689A
 simulation, of tellurite and chalcogenide glasses, 60-03690A
 of slags, silicate, 60-00256A
 of solid solutions, in systems Li₂SiO₃-Li₂EO₃, 60-03206A
 of spinels, relation to thermodynamic properties, 60-04287A
 strength-, relations of cement paste materials, 60-00929A
 super-, orthorhombic, of tridymite, 60-03144A
Structure, micro- See also *Particles, size*; *Porosity*.
 of Al³⁺-containing Co ferrites, 60-00824A
 of Al₂O₃, Na beta-, relation to ac impedance, 60-00518A
 phosphate-bonded, refractories, 60-03912A
 of Al₂O₃-Fe cermets, 60-02961A
 of Al-glass composites, highly deformed, 60-03609A
 of C/S mortars, effect of temp. increases during hydration, 60-00029A
 of PZT, effect of processing on, 60-02627A
 of Sn oxide coatings, correlation to electrical resistivity, 60-00998A
 of TiN and Ti₃N deposits, prepared by activated reactive evaporation, 60-01767A
 development, in boehmite-derived transition aluminas, 60-03158A
 during hydration of portland cement, 60-02152A
 effect on thermal diffusivity of Si₃N₄, 60-04311A
 lamellar porous, in gamma-Al₂O₃, energetics of formation, 60-03081A
 of plasma dissociated zircon, in ZrO₂-SiO₂, 60-00812A
 of refractory insulation, effect on thermal conductivity, 60-03892A
 of refractory oxide systems, interpretation, 60-02522A
 studies, on hot-pressed Si₃N₄, 60-03128A
 of transparent corundum, 60-05655A
Substrates,
 Al₂O₃, process for making, 60-00597P
 susceptibility to stress corrosion during wet processing, 60-00523A
 GaAs, sound device for measuring thickness, 60-04042A
 Pb K niobates, for acoustic wave applications, 60-00555P
 Polikior-based, treatment prior to metallization, 60-01638P
 Si, production of semiconductor device by ion implantation and nitridation, 60-04090P
 for Si-on-ceramic, cold growth technique, 60-02730P
 SiO₂, method for applying B₂O₃ layer to, 60-00562P
 SiO₂/Si, integrated Fresnel lens on, 60-04022A
 Sn oxide, Pt films on, 60-05351P
 TiO₂, V₂O₅ catalyst on, method of making, 60-00753P
 apparatus for depositing materials on, 60-01575P
 apparatus for peeling films from, 60-01576P
 with binder coating, for use in making abrasive sheets, 60-00881P
 bonding, to Al₂O₃, 60-00533P
 ceramic, 60-05235P
 decreasing porosity and surface roughness, 60-01584P
 coating, by CVD, 60-05266A
 continuous, Si-on-ceramic, 60-05268A
 composite, of Al₂O₃, needed through AlN, 60-04058P
 deposition on, Al₂O₃, method, 60-05337P
 of materials, 60-00584P
 dielectric, metallizing compositions for, 60-00558P
 electronic, blade for cutting, 60-00546P
 fiber, for composites, method of making, 60-00754P
 glass, polymeric coating for, 60-03817P
 glass-ceramic, multilayered, for mounting of semiconductor device, 60-00587P
 making openings or shapings in, by laser, process, 60-01624P
 metal, bioglass-coated, 60-01798P
 metallic, mechanical properties of layers deposited on, 60-00719A
 method for applying material to, 60-01597P
 microelectronic, process of defining film patterns by air abrading, 60-01626P
 monocrystalline, production of semiconductor layers by LPE, 60-04092P
 piezoelectric, with ZnO layer on α -Al₂O₃ layer, surface acoustic wave device, 60-01633P
 reflecting, refractive-index measurements, using wedged film technique, 60-01681A
 ribbon, films, for electrical components, 60-01637P
 semiconductor, process for surface layer oxidation, 60-04089P
 projection printing of mask onto, method and device for, 60-00561P
 sheet, glass-containing, 60-00330P
 stainless steel, growth of CdS, CdSe, and CdTe films on, 60-01568A
 steel, porcelain enameled, for electronic applications, 60-04605A; 60-04620A
 porcelain enameled, for wiring boards, 60-03420A
 vitreous, method of forming porous metal oxide optical layer, 60-04970P
Sulfates,
 Al, decomposition, and resultant aluminas, 60-05587A
 Fe(II), effect on properties of cement mortar and concrete, 60-03354A
 K, effect on hydration of tri- and β -dicalcium silicates, 60-02136A; 60-02137A; 60-02138A; 60-02139A; 60-02140A
 K₂SO₄, structure at high temp, 60-05709A
 Na₂SO₄ and NaHSO₄, effect on mineral formation and properties of cement clinkers, 60-00026A
 action on cements, portland-pozzolanic, 60-00931A
 in clinkering, cement, 60-03383A
 content, in bricks made from Devonian clays, determination, 60-01308A
 ferrous, plaster from, 60-03397P
Sulfides,
 Ag In S, spray pyrolysis, 60-01563A
 CdS, solar energy grade, 60-02791P
 NiS, inclusions in glass, 60-02319A
Sulfur,
 in amber glasses and slags, volumetric determination, 60-01198A
 cement clinkers low in, method of making, 60-00942P
 concrete, composition and articles from, 60-03416P
 -containing gas, for Sn drip reduction, 60-01294P
 -containing refractories, for resisting reactive molten metals, 60-02573P
 desulfurization, of hot gases, using Ca silicate regenerative sorbents, 60-01688A
 emissions, during melting of flat glass, use of nitrates to suppress, 60-04975P
 in iron and steel, cast, crucible for determining, 60-00399A
 oxides, use of cement waste products as scrubbing medium for, 60-04584P
 removal, from gas, 60-00661P
 in semiconductor compounds, CeO₂ and TiO₂, acceptor properties for, 60-01508A
 states, in alkali borate glasses—correction, 60-03676A
Superconductors,
 V₃Ga, method of making, 60-00576P
 films, BaPb_{1-x}Bi_xO₃, preparation by rf sputtering, 60-00516A
 superionics, today and tomorrow, 60-00522A
Supersonics. See *Sound, supersonic*.
Surface,
 analysis, 60-02858A
 characterization, of weathered low-Fe float glass, 60-00284A
 damage, of SiC, due to H₂⁺ and He⁺ ion bombardment, 60-05713A
 defects, method for measuring depth, 60-05454P
 disintegration, of borolanthanate glasses, 60-03694A
 finish, of glass fibers, analysis, 60-04666A
 glass, organotin treatment for reducing reactivity, 60-03799P
 sorption study, 60-04777A
 oxide, obliquely deposited, columnar topography and crystal alignment, SEM study, 60-03184A
 phenomena, theoretical studies, 60-01850A
 potential, of ZnO-absorbing p-type and n-type dyes, effect of illumination, 60-04020A
 properties, of silicas produced from rice husk ash, 60-00835A
 specific, of particles, permeability tests for, 60-05438A
 treatment, of structural ceramic ware, 60-05033A
 weakening, shock- and friction-induced, of industrial glasses, 60-04858A
Surfactants,
 in ash-based cements, effect on properties, 60-04524A
 in quartz refractories, effect on physicochemical properties, 60-01349A
Suspensions. See also *Silps*.
 aqueous, of fine particulates, dewatering, 60-01503P
 bentonite, thixotropy, in relation to exchangeable cations, 60-01494A
 clay and grog-clay, effect of peptizing agents on electrokinetic potential, 60-05201A
 kaolin, in water and water-glycerol mixtures, rheology, 60-01492A
 propagation of ultrasound in, 60-01679A
Swelling,
 in UO₂, doped with Cr₂O₃, 60-05368A
 of glass, 60-00286A
Switching,
 characteristics, of BN films, 60-02653A
 domain, in PLZT, variations of strain and light scattering accompanying, 60-05302A
 memory, in glass-metal particulate systems, 60-02673A
 threshold, in chalcogenide-glass films, 60-02347A
Synthesis,
 of Al₂Be₃, 60-03212A
 of Bi titanates, layered, 60-05275A
 of K₂(VO)₄, new compound with glaserite type structure, 60-01906A
 of LaB₆, from BN and La citrate hydrate, 60-05715A
 of Na beta-Al₂O₃, introduction of additives during, 60-05653A
 of Na diziironate triphosphate, from alpha-Zr phosphate, 60-01992A
 of Si₃N₄, beta-, by CVD, 60-04441A
 laser photochemical, 60-05532P
 of SiO₂, doped with F, continuous, 60-00308P
 of YIG, 60-04044A
 of Zr silicate, in presence of mineralizers, 60-02017A
 of analcime, from domestic bentonite, 60-05716A
 of carbides, sesqui-, of heavy rare earths and Y, 60-05718A
 of crystals, La₂O₃-B₂O₃-2MoO₃ and La₂O₃-B₂O₃-2WO₃, 60-00832A
 VO₂, 60-04440A
 of alkaline tungstates, 60-03215A
 of diamonds, 60-02997P
 of ferrites, Co-doped Ni-Zn, from Schoenite-type salts, 60-04045A
 of ferroelectrics, PbMg_{1-x}Nb_xO₃ - PbNi_{1-x}Nb_xO₃ - PbZn_{1-x}Nb_xO₃, 60-04439A
 of ferrospinel, high-density, 60-00515A
 of glasses, in Bi-containing systems, for coating integrated circuits, 60-04888A
 alkali-free, for electronic devices, 60-04889A
 binary oxide, by hot-pressing of gels, 60-01182A
 high-refractive, by coprecipitation, 60-03696A
 with sulfide structure, 60-03697A
 in system As₂Te-Al, 60-01180A
 in system La₂O₃-Al₂O₃-SiO₂, 60-01181A
 in system SiO₂-B₂O₃, by hot-pressing gels, 60-03695A

- hydrothermal, and crystal growth, choice of mineralizer for. 60-00773A
- of lanthanide oxides, cubic. 60-04348A
- low-temp., of vitreous bodies. 60-00339P
- of mixed oxides. 60-04267P
- molten salt, of Ba and/or Sr titanate powder. 60-01724P
- of mullite, refractory. 60-01384A
- oxide, carboxylates of U as starting compounds for. 60-02798A
- of perovskites, plumbate-type. 60-05717A
- of polytitanocarbosilane, and conversion into inorganic compounds. 60-04227A
- of powders and crystals, of high-melting refractories. 60-04442A
- of silicates, anhydrous, containing double-chain anions. 60-03214A
- of spinels, MgAl_2O_4 , from oxides, conditions for. 60-03877A
- in system Li–Mn–Fe–O. 60-03213A
- of vitrocrySTALLINE materials, based on serpentine. 60-04829A
- of zeolites, crystalline. 60-01838P; 60-02996P
- molecular sieve. 60-0521A
- Systems.** See also *Phase equilibria*.
- B–C, determination of free C in. 60-05591A
- B–Si, binary. 60-05568A
- CaCO_3 – SiO_2 and MgCO_3 – SiO_2 , hydrothermal reactions in. 60-03102A
- CaO – SiO_2 – NaOH – H_2O , examination at hydrothermal pressure-free conditions. 60-04534A
- CaSiO_3 – MgSiO_3 – Al_2O_3 , join grossularite–pyrope at 30 kbars, petrological importance. 60-01916A
- CaTiO_3 – CaTiSiO_3 , sintering and electrophysical properties. 60-04420A
- K–Fe–O, oxidation kinetics of CuFeO_2 in. 60-03145A
- K_2O – FeO – Al_2O_3 – SiO_2 – P_2O_5 , effect of pressure on liquid immiscibility. 60-01884A
- Li_2O – Al_2O_3 , vaporization behavior. 60-02012A
- Li_2GeO_4 – Li_2VO_4 , new Li^+ ion conductors in. 60-01932A
- Li_2SiO_3 – Li_2EO_3 , solid solutions, structure. 60-03206A
- Nd_2O_3 – MoO_3 – Na_2CO_3 , growth of $\text{NaNd}(\text{MoO}_4)_3$ crystals from. 60-04341A
- PbTiO_3 – La_2O_3 – 3TiO_2 , structure and dielectric properties of ceramics based on. 60-04431A
- R_2O_3 – TeO_2 ($\text{R} = \text{Er}, \text{Y}$), interactions in. 60-01912A
- RbF – LaF_3 , interactions in. 60-03110A
- RbNO_3 , V , CsNO_3 , III , and CsNO_3 , IV , structure determination of high-pressure phases. 60-04432A
- Sc_2O_3 – ZrO_2 , ionic conductivity. 60-04358A
- SiO_2 – B_2O_3 , viscosity of SiO_2 -rich liquids in. 60-04463A
- $(\text{V}_{1-x}\text{Cr}_x)_2\text{O}_3$, electrical properties. 60-03075A
- ZnO – Al_2O_3 , solid state reaction kinetics. 60-04280A
- ZnO – MgO – SiO_2 , solid solutions, determination of activity/composition ratio. 60-04299A
- metal-insulator-metal, used as nonheated source of electrons. 60-04047A
- oxide, refractory. 60-04347A
- reaction, chemical vapor. 60-04057P
- reciprocal, composed of fluorides and chlorides of Li, Ca, and Ba. 60-03178A
- transition metal oxide– MoO_3 – Al_2O_3 , catalytic activity of. 60-04279A
- two-phase, dihedral angle equation, thermodynamic derivation. 60-03233A
- vitreous, local motions in. 60-01919A
- Tableware.** See *Dinnerware*.
- Talc.** See also *Tennantite*.
- transition, oriented thermal, study using goniometer. 60-05640A; 60-05641A
- Tanks.** See *Furnaces, glass*.
- Tantalum,**
- (Ce, Ta) Ta_2O_7 , disordered structure, electron diffraction symmetry from. 60-05577A
- Ta_2O_5 , films, reactive dc sputtering, magnetron-plasma. 60-01782A
- films, refractive index. 60-00260A
- TaB_2 , growth. 60-01970A
- Ta–C fiber, composites, production. 60-05547P
- TaN – Ta_2O_5 – Al , capacitors, improved properties. 60-01537A
- TaN – ZrB_2 – ZrN and TaN – ZrB_2 – WC , densification and wear resistance. 60-05508A
- carbides and oxycarbides, solubility of H in. 60-04424A
- diboride, crystals, growth. 60-05695A
- silicide, films, stabilization of sputtered β -Ta by. 60-01564A
- Technology,**
- in ceramic industry, fifty years of. 60-00851A
- of ceramics, industrial. 60-05745A
- structural. 60-03296B
- chemical, of binders. 60-03262B
- concrete, recent trends. 60-04513A
- glass. 60-03276B
- developments since 1978. 60-03277B
- sol-gel. 60-04862A
- sol-gel processes. 60-01161A
- of lime and limestone. 60-03263B
- of materials, treatise. 60-00869B
- world perspective. 60-03280B
- mythology, and science, in refractories industry. 60-01372A
- particulate. 60-03283B
- production, of glass. 60-02036B
- of refractory materials, physicochemical principles. 60-05756B
- of sheets, ceramic, for electronic applications. 60-05294A
- of silicates, and inorganic materials. 60-00863B
- Television,**
- industry, glass processing in. 60-03536A
- Television tubes.** See *Tubes*.
- Tellurites,**
- glass, acoustooptic device using. 60-03722P
- Tellurium,**
- oxide, films, dielectric properties. 60-02708A
- use as solvent, in LPE growth of ZnS , ZnSe , and their mixed compounds. 60-02667A
- Temperature,**
- Debye, of Fe_2O_3 – CaO – SiO_2 glasses. 60-03463A
- cryogenics, ceramic and apparatus. 60-01803P
- dependence, of electrochromic processes in IR oxide displays. 60-05295A
- of equilibrium viscosity in alkali-free borate glasses. 60-04892A
- of metal-nitride-oxide-Si currents at constant oxide fields. 60-05721A
- of stresses in CVD vitreous films. 60-05296A
- of width of forbidden zone in chalcogenide glasses. 60-03700A
- effect on thermodynamics, of beta-SiC. 60-04312A
- fusion, of SiO_2 – P_2O_5 glasses. 60-03528A
- of glasses, doped As_2Se_3 , relation to glass-ceramics rate. 60-04850A
- inner, of glasses, calculation from surface temp. 60-04802A
- interface, melt-crystal, during crystallization of borate glasses, measurement. 60-03598A
- measurements, optical, recent advances. 60-04156A
- mold, during glass-container forming. 60-04807A
- phase, in nonequilibrium flow, measurement. 60-01925A
- radiating power, of nonisothermally heated cylindrical cavities. 60-04313A
- softening, of glasses, instrument for measuring. 60-03759P
- transition, of glass system Ca nitrate–K nitrate–water. 60-04761A
- variation, of dielectric properties of Bi germanate and Bi Ge oxide. 60-05297A
- Temperature measuring instruments,**
- to 90 million F. 60-02847A
- for molten metals. 60-02865P
- for softening temp., of glasses. 60-03759P
- thermocouples, Al_2O_3 – Cr_2O_3 tubes for protecting. 60-00477P
- grounded, preventing noise in measurements. 60-04154A
- Tempering, of glass.** See *Glass, tempering of*.
- Tension,**
- strength of ceramics under, at high temps. 60-03202A
- surface, of alkali silicates. 60-00285A
- Terminology.** See *Nomenclature*.
- Testing.** See also *Analysis* and specific types of tests.
- fatigue, of Na_2O – CaO glasses, equipment for. 60-03645A
- industrial, of periclase-spinel refractories. 60-01362A
- of joints, solid-state bonded ceramic-to-metal. 60-04037A
- mechanical, of cemented carbides. 60-01669A
- nondestructive, of advanced composites. 60-04219A
- of cement, method and apparatus. 60-03401P
- mechanics of. 60-03281B
- of monolithic refractories. 60-05097A
- of metal matrix composites. 60-00727A
- of optical fiber preforms. 60-00644P
- of thermal shock resistance of ceramics. 60-01676A
- ultrasonic, of fireclay refractories. 60-03898A
- using acoustic emission monitoring. 60-04159A
- peel, metallized films. 60-00513A
- procedures, effect on fracture parameters of brittle materials showing slow crack growth. 60-05628A
- proof, of ceramics. 60-00819A; 60-00820A
- rate, effect on slow crack growth in Al_2O_3 . 60-05629A
- strength, biaxial, of glass. 60-00106A
- sulfate, of mortars containing fly ash. 60-03333A
- ultrasonic, for defects in glass-fiber-reinforced plastic tubes. 60-03713A
- of gas turbine ceramics. 60-00714A
- of refractories. 60-01412A
- Tests,**
- for Cr_2O_3 content, of chromite ores, Cr-containing bodies, and glazes. 60-04155A
- Due de Chaulness, for determining principal refractive indices of doubly refracting crystals. 60-01666A
- Pfefferkorn, impact, analysis. 60-02828A; 60-05421A
- for Ti concentration, in silicates. 60-00641A
- for U. 60-02867P
- acoustic emission, of thermal shock resistance of refractories. 60-01351A
- adsorption, of SiO_2 surfaces, procedural aspects. 60-05681A
- bend, four-point, deformation studies, stress-relaxation technique. 60-01982A
- three-point, specimen, finite element analysis. 60-02009A
- centrifugal force, for determining tensile bond strength of concrete masonry. 60-04162A
- of coatings, NASA thermal barrier, for gas turbines. 60-01791A
- for cohesion, of concrete. 60-03384A
- combining flameless automation and atomic absorption with plasma torch, on nonconductor products. 60-04143A
- compaction, for fresh concrete. 60-00921A
- on compression zone, of reinforced masonry. 60-03856A
- conductivity, thermal. 60-02844A
- corrosion, pitting, for bottom of glassmelting furnaces. 60-04827A
- density, for glasses tempered by different methods. 60-01009A
- dilatometric, high-temp., elimination of error and processing of results. 60-04147A
- high-temp., increase in accuracy. 60-04151A
- double torsion, cracking characterization. 60-00771A
- measurements with and without guiding notch. 60-04144A
- for measuring subcritical crack extensions. 60-05711A
- drying, practical procedures for. 60-00389A
- dynamic, for determining modulus of elasticity of silicate materials. 60-05426A
- ellipsometry and XPS, characterization of Sn in float glass by. 60-00121A
- emission, acoustic, monitoring technique. 60-04159A
- extraction, for determination of 18 trace elements in geochemical samples. 60-05435A
- fatigue, dynamic and static, statistical reproducibility. 60-05450A
- flexure, biaxial, for ceramics. 60-00629A
- fracture, with DCB specimen. 60-00634A
- biaxial, of glass-ceramics. 60-00983A
- indentation. 60-02839A
- heating, for determination of thermal properties. 60-04167P
- hot-wire, critical review and comparison with BS 1902 panel test. 60-01667A
- for determination of thermal conductivity. 60-04149A
- for thermal conductivity. 60-01683A
- indentation, for measuring fracture toughness, critical evaluation. 60-05579A; 60-05580A
- interferometry, using spectrograph and time scan. 60-04150A
- ir, for determining residual lining thickness. 60-01341A
- irradiation, accelerated, of Synroc, using fast neutrons. 60-02797A
- lab, on unreinforced brick masonry vaults. 60-03858A
- load, on brick veneer attached to timber-framed panels. 60-03851A
- of masonry, load-bearing. 60-03855A
- materials, triple-exposure holography. 60-02862A
- microscopy, ion, computer system for quantification in. 60-05427A
- scanning electron. 60-05444A; 60-05445A; 60-05446A
- noise measurements. 1/f. 60-00627A
- for optical absorption, extremely low. 60-01672A
- particle trajectory, effect of accelerating deceleration and shape on drag in still air. 60-04145A
- permeability, for determining specific surfaces of particles. 60-05438A
- polished sections, techniques for preparing, and classification according to porosity. 60-04160A
- proof, in sintered alpha-SiC. 60-00723A
- pulsed, for determining thermal diffusivity. 60-01680A
- quantitative, electron-probe, appraisal of correction procedures. 60-02834A
- rapid, for SiO_2 in glasses. 60-04842A
- for refractories, in low C stainless steelmaking process. 60-01407A
- reliability, on optical semiconductors for optical fiber transmission systems. 60-00519A
- resonance, electron spin. 60-05428A; 60-05429A
- ring, data, glaze-stress calculation from. 60-00486A
- shock, thermal, on brittle materials. 60-04405A
- specific gravity, apparatus and method for. 60-05452P
- spectrometry, atomic fluorescence. 60-05422A
- spectroscopic, for estimating heats of decomposition. 60-05703A
- spin, for grinding wheels. 60-04489A
- strain measurement, in optical fiber, using resistance wire. 60-02339A
- tensile, derivation of stress-strain curve from bending data. 60-04298A
- thermal, using derivatograph. 60-00642A
- of thermal expansion, in insulators. 60-00790A
- thermogravimetry, application to portland cement. 60-02188A
- tomographic, finding flaws with. 60-04148A
- for tracing Bigot curves. 60-02850A
- ultrasonic, for measuring cement hydration. 60-02148A
- voltammetric, state of the art. 60-02863A
- on wall-beam structures. 60-03857A
- weathering, for terra cotta roofing tiles. 60-05023A
- Texture,**
- conductivity relations, in Li_2O -stabilized beta'- Al_2O_3 . 60-03226A
- of refractory materials. 60-00448A
- Thallium,**
- Tl_2O_3 , crystals, defect chemistry and electrical properties. 60-04293A
- chemistry. 60-03264B
- Thermal conductivity.** See *Conductivity, thermal*.
- Thermal decomposition.** See *Decomposition*.
- Thermal expansion.** See *Expansion*.
- Thermal properties,**
- of cement clinkers, synthesized at low temp. 60-04573A
- conductivity, of refractories, role of microfissures. 60-01400A
- degradation, of two-layer thermal barrier coating under cycling. 60-04204A

- determination, by arbitrary heating. 60-04167P
diffusivity, pulsed method for determining. 60-01680A
dissolution, of corundum. 60-04453A
expansion, of Pb silicate glasses. 60-03702A
of ZrO_2 and HfO_2 . 60-02935A
coeffs., for low expansion oxides. 60-00733A
of cordierite-based glass-ceramics. 60-04894A
of extruded cordierite. 60-01793A
of glasses, at low temp. 60-03703A
of muscovite. 60-05567A
and shrinkage, of hot blast pipe linings. 60-05056A
of tridymite. 60-03231A
of glasses, chemically strengthened. 60-04837A
inorganic, relation to mechanical characteristics. 60-04692A
of graphite. POCO. 60-02008A
of refractories. 60-01398A
shock, comparison of critical values with R parameter. 60-00776A
resistance, of partially stabilized ZrO_2 . 60-03090A
of slips, cast, of refractory oxides. 60-00449A
stability, of SiC. 51R. 60-05725A
of gamma-FeOOH in aqueous suspensions. 60-03232A
of mullite-containing refractories, effect of gaseous media on. 60-05072A
stress, transient, in cylinders with square cross section. 60-00846A
stress resistance, of brittle plate subjected to asymmetric radiation. 60-03030A; 60-03031A
of high-temp. brittle materials, figures-of-merit for. 60-03085A
stresses, in severe environments. 60-00868B
Thermal shock resistance. See *Shock resistance, thermal.*
Thermistors. See *Resistors, electrical.*
Thermochemical properties.
calculations, of LPCVD of Si_3N_4 and SiO_2 . 60-00843A
in photochromic glasses. 60-00289A
Thermodynamics. See *Thermodynamics.*
Thermocouples. See *Temperature measuring instruments.*
Thermodynamics.
of $CaWO_4$. 60-03236A
of Cu-O system dissolved in glass, relation to Cu ruby formation. 60-04896A
of MgO , surfaces, effect of charge deformation and geometric relaxation. 60-04307A
of SiC, beta-, effect of temp. 60-04312A
of UO_2 . 60-05394A
of conductivity, ionic, in oxide glasses. 60-03705A
of glass phase, of porcelain. 60-05199A
of glassmelts, in system Na₂O-SiO₂. 60-01185A
high-temp., and phase equilibria in system K oxide-Al₂O₃. 60-01908A
of melts, glass-forming Na₂O-B₂O₃-GeO₂. 60-00205A
of oxidation-reduction, of V in borate glasses. 60-00290A
of oxides, crystalline, formulas relating temp. with. 60-04332A
of oxynitrides, Si. 60-05726A
of solid state reactions, in silicates. 60-05728A
of spinels, relation to structure. 60-04287A
Thermoelectricity.
power, for quenched wustite, measurement. 60-04029A
power measurements, in wustite, at high-temps. 60-05625A
Thermogravimetry. See *Thermal analysis, gravimetric.*
Thermoluminescence. See *Luminescence.*
Thermomechanical properties. See *Mechanical properties.*
Thermometers. See *Temperature measuring instruments.*
Thermoplastic properties.
of glasses, Ba phosphate, effect of F on. 60-03487A
Cl- and Br-containing fluorophosphate. 60-04817A
Thermophysical properties. See *Physical properties.*
Thickness.
of films and coatings, device for measuring. 60-01686P
of glass, automatic measurement. 60-00108A
grain boundary, study using electron diffraction. 60-01988A
of linings, refractory, gage for measuring. 60-05161P
refractory, method of measuring. 60-05170P
Thin sections. See *Microscopy.*
Thixotropy.
of suspensions, bentonite, in relation to exchangeable cations. 60-01494A
Thorium.
(Th₂UO₇), burnup-simulated, chemical state at high O potential. 60-05356A
ThO₂, Gruenisen parameter and lattice vibrational frequencies, temp. dependence. 60-01641A
Hertzian indentation fracture surface energy, temp. dependence. 60-04118A
deposits containing, field method for detecting. 60-00643P
oxide, sinterability and thermal conductivity. 60-01971A
Throwing. See *Pottery.*
Thyristors. See *Transistors.*
TiAlite.
sintering and properties, effect of additives on. 60-04715A
Tile. See also *Pipe.*
Space Shuttle, possible rejection by NASA. 60-02963A
cast, use of phosphorus slags in production. 60-03976A
ceramic, Victorian. 60-00870B
effect of temp. and Ca and Mg on F release during firing. 60-05203A
equipment for loading, unloading, and storing. 60-01657P
clay, preventing defects by treatment of raw materials. 60-05027A
clays, from tropical Africa, studies. 60-02911A
decorative, English, history. 60-03271B
embossed, glazes for. 60-03960A
device for coating. 60-05239P
drainage, clay or PVC? 60-00383A
extruded, automated production. 60-00385A
facade, dull glazes for. 60-03959A
relief, conveyor line for. 60-03831A
facing, conveyor line for. 60-03830A
glazes and pastes for rapid firing. 60-02587A
production from local raw materials. 60-05232A
raw material mix for. 60-05257P
widening the color pattern of. 60-03982A
flame adherence, gas burner for. 60-00665P
floor, Azulejos, importation into Naples during reign of Alfonso the Magnanimous. 60-02060A
Mn-containing glasses for. 60-03843A
at Slaviansk Plant, improving quality. 60-03964A
from clays of the Artemovsk deposit. 60-03859A
glazed, determination of wearability. 60-03957A
glazed, durability of. 60-04081A; 60-02581A
large-size decorative, production on continuous-operating conveyor lines. 60-03972A
mfg., using Belogorsk nepheline ore as flux. 60-03949A
with reactive dyes and glazes, production. 60-03971A
single-pressed glazed, pilot plant. 60-02490A
floor and wall, production, quality control checks. 60-05193A
industry, in Comecon countries, technical progress. 60-05035A
developments at Shaw works. 60-02494A
linking of power and heat, possible use of gas turbine. 60-02483A
problems relevant to rearrangement of factories. 60-01490A
quality control in. 60-05193A
use of electronics. 60-02469A
use of heat exchangers. 60-01323A
pressing, control by thermovision. 60-05196A
production, apparatus for loading ovens. 60-00624P
using roller-type kilns. 60-00488A
rapid-fired, low-B glazes for. 60-03966A
refractory, insulating, repair. 60-00445A
roof, automated production. 60-01311A
elimination of binding wire and U-setters. 60-02470A
forty cm thermal insulation under. 60-02476A
new setting system for. 60-01314A; 60-02488A
solar. 60-02496A
terra cotta, long-term experiments on weathering. 60-05023A
tour of three French works. 60-00390A
spilt, natural partner for brick production. 60-02498A
structure, regenerative, for burners. 60-02905P
surface-finished, production. 60-03973A
triaxial, reformulation, use of linear programming. 60-01495A
vitrified, new roller hearth kiln for. 60-01701A
wall, from clays of the Tufsk region. 60-03975A
external, rapid firing of. 60-05225A
from phosphorus plant slag. 60-03980A
wall and floor, from Pb and Zn slags. 60-03979A
whiteware, in Europe, effect of fashion on color schemes. 60-02578A
Tin.
Sn₂W₂O₈, structure and stereoactivity. 60-05657A; 60-05658A
SnO₂, conductive powder. 60-02787P
effect of electric field on corrosion by borax. 60-04308A
effect on phase composition and physicochemical properties of phosphate glasses. 60-02268A
films, electrical properties. 60-01529A
impurity transitions in photoluminescence spectra. 60-01910A
as spectral selective layer on black enamel. 60-00092A
sprayed films. 60-02709A
SnTe, mechanochemical oxidation. 60-04368A
in bottom surface of float glass, characterization by ellipsometry and XPS. 60-00121A
chalcohydrides, reactions with AlH_3 compounds, thermodynamic appraisal. 60-04454A
chemicals, for coloring glass. 60-04898A
diffusion, in GaAs from spin-on SnO₂/SiO₂. 60-02717A
in glass, kinetics. 60-00196A
in silicate glazes and glasses. 60-02264A
in soda-lime glass. 60-01016A
drip reduction, with S-containing gas. 60-01294P
in glasses, Li aluminosilicate, paramagnetic resonance. 60-03633A
oxide, substrates, Pt films on. 60-05351P
penetration, in bottom surface of float glass. 60-00239A
role, in Cu ruby glass. 60-03527A
Titanates. See also *Dielectrics* and specific types.
of Ba. 60-03239A
of Ba and La. 60-03045A
Ba and/or Sr, powder, molten salt synthesis. 60-01724P
Mg, Ca, and rare earth metal, dielectric compositions based on. 60-01585P
Pb, amorphous, dielectric properties. 60-03060A
Sr, solubility of La in. 60-04425A
rare earth. 60-03239A
Titania. See *Titanium, dioxide.*
Titanium.
in Na Ti silicate glasses, coordination of. 60-00996A
Ti⁴⁺, addition, effect on properties on Ni-Cu-Co ferrite. 60-05608A
and Ti-Ca, enamels, F behavior in. 60-00951A
TiB₂, TiC precipitates in, spectroscopic study. 60-04436A
coatings, D and He ion irradiation effects. 60-01743A
crystals, high-temp. hardness. 60-05621A
TiC, (111) and (100), angle-resolved photoemission studies. 60-05555A
and (Ti,V)C, annealing studies. 60-01731A
and TiN, energy of chemical bonding. 60-01897A
alloys based on, electron microscopic study of fracture surfaces. 60-01892A
cemented compacts. 60-04233P
films, on steel and cemented carbides, load-bearing capacities. 60-01762A
precipitate in TiB₂, spectroscopic study. 60-04436A
TiC₂, optical properties. 60-03140A; 60-03141A
TiN, coating to be etched. 60-00606P
films, formation and properties. 60-01783A
films, protective, for vacuum deposition chamber. 60-01794A
sputtered films, effects of substrate bias on properties. 60-02629A
TiO and TiC, mechanisms for energetic-vacancy stabilization. 60-03126A
TiO₂, EPR of Cu²⁺ ions in. 60-05597A
electrodes, photoelectronic processes in. 60-01551A
elements, exhaust gas sensor with. 60-00543P
films, reactive dc sputtering, magnetron-plasmatron. 60-01782A
gel, first of dehydration on surface characteristics. 60-00786A
high solid slurries, use of ion-exchange resins in preparation. 60-00697P
high strength body, method for making. 60-02759P
layers, reactive evaporation. 60-02604A
optoelectronic properties. 60-02678A
slurries, high dry hide. 60-00681P
solubility in BaTiO₃. 60-05701A
transformation into enamel. 60-00093A
TiO₂, spherical particles, process for making. 60-01728P
TiSi₂, films on Si substrates, oxidation mechanisms. 60-05285A
VT3-1 alloys, reactions of refractory compounds with. 60-01781A
and Zr, ion nitriding by dc glow discharge. 60-01914A
boride, C-containing powder, method for making. 60-04266P
carbides, sputtered, adherence of. 60-01729A
carbonitrides and oxycarbides, thermal conductivity, electrical resistivity, and thermal expansion. 60-02003A
diboride, shapes, method for preparing. 60-05537P
enamels, colored, black specks in. 60-04598A
films, evaporated, interaction with single-crystal Si. 60-04023A
in glasses, TiO₂-SiO₂, coordination by absorption spectroscopy. 60-00995A
silicate, structural position. 60-01171A
oxide, electrical properties, surface. 60-01991A
heat-reflective film, method of applying to glass. 60-01269P
physicochemical and wear properties, effect of ion implantation and coatings. 60-01757A
polytitanocarbosilane, synthesis and conversion into inorganic compounds. 60-04227A
in silicates, micromethod for determining concentration. 60-00641A
silicides, layer structure, backscattering analysis. 60-01847A
titanogypsum, use in cement production. 60-04556A
use, to enhance wetting of Si₃N₄ by Si. 60-00735A
Titanium, carbide. See *Cermets.*
Titanium, dioxide, pigments. See *Pigments.*
Titanium. See *Analysis.*
Tobermorite.
process for producing. 60-02923P
Tools.
diamond. 60-03303P
Syndite, for truing and dressing. 60-00003A
grinding, synthetic, for polishing Pb glass. 60-04890A
for handling and shaping glass. 60-02457P
turning, rotary, tip in. 60-04270P
tip for. 60-04269P
Tools, cutting. See also *Abrasives.*
Al₂O₃-containing metal compositions for. 60-00738P
Si₃N₄-based, method of making. 60-04247P; 60-04248P
blade, for electronic crystals and substrates. 60-00546P
low cost, for glass fibers. 60-03593A
optimization, through Al₂O₃ cermet. 60-01769A
Tools, grinding. See *Grinding apparatus.*
Topography.
columnar, of obliquely deposited oxide surface. 60-03184A
of glasses, ion etched Corning 7059. 60-03706A
Topology.
bonding, in vitreous SiO₂. 60-03543A
Torsion.
double, measurements with and without guiding notch. 60-04144A
Trace elements. See *Elements.*
Tracers. See *Radioactive tracers.*
Transducers.
composite, flexible piezoelectric. 60-00545P
hydrostatic, composite PZT and epoxy for. 60-01512A
Transfers. See *Decoration.*

Transformations,

of Al_2O_3 , gamma- to alpha-, quantitative determination of phases. 60-05685A
 of CaAl_2O_6 and CaGa_2O_6 , under high pressure. 60-04345A
 Fe oxide, in fired clays, effect of Ca on, Moessbauer study. 60-04372A

alpha-Si₃N₄/beta'-sialon, for compositions in system Si-Al-O-N. 60-04409A
 behavior, of Al hydroxides and aluminas, SEM study. 60-05443A

beta-alpha, in Ca chromite, effect of O pressure on temp. 60-04310A
 in polycrystalline SiC. 60-03035A; 60-03036A
 of fluorides, double, of K and rare earths. 60-03240A
 phase, in evaporated photoconductive PbO. 60-01556A
 in refractories during smelting of Pb-Zn ore concentrates. 60-00433A

in semiconductor solid solutions, changes in thermal conductivity during. 60-04281A
 wollastonite-pseudowollastonite. 60-03246A
 polymorphic, of Al_2O_3 , with additives. 60-05676A
 shock-induced, of sillimanite powders. 60-03189A

Transistors,

InP, improved oxide insulator for. 60-05277A
 MNOS, p-channel, effect of H anneal on memory characteristics. 60-02655A

Si on sapphire, use of laser annealing to increase channel mobility. 60-02609A
 amorphous-Si MOS. 60-02605A
 thin-film, Si-on-glass. 60-05289A

Transitions,

PI-II, in anorthite with low albite content, X-ray and neutron study. 60-05739A
 in pure anorthite, X-ray and neutron study. 60-05740A
 behavior, of perovskite ferroelectrics, role of B-site cation disorder. 60-05692A
 diffuse phase, in ferroelectrics, contribution of structural disorder to. 60-01857A
 ferroelectric-antiferroelectric, in Pb zirconate with additions of Ti and Ge. 60-01899A
 glass, and communal entropy. 60-00122A
 optically detected, in photochromic glasses. 60-04818A
 phase, on Si surfaces. 60-01965A
 in ferroelectric $\text{Ba}(\text{Ti},\text{Sn})_2\text{O}_6$ films. 60-02623A
 morphotropic, in ferroelectric solid solutions. 60-04373A
 orientation, of antiferromagnetic NiWO_4 . 60-04376A
 photoinduced, in glasses containing Cu. 60-03637A
 in glasses containing V. 60-01124A
 relaxation, in alkali silicate glasses. 60-01070A
 secondary, in alkali silicate glasses. 60-00265A
 thermal, of talc and kaolin, study using goniometer. 60-05640A; 60-05641A

Transmission,

characteristics, of graded-index optical fibers. 60-01189A
 of fibers, VAD. 60-02350A
 graded-index vapor phase axial deposited. 60-02348A
 of glasses, Pb silicate subjected to thermal-H reduction. 60-02349A
 vacuum uv, of LiF and MgF₂, proton-induced degradation. 60-01960A

Transmittance,

of sapphire. 60-05292A

Transparent materials,

corundum, microstructure. 60-05655A
 ir, spectroscopic small loss measurements. 60-01163A
 spinels, fusion-casting. 60-05512A

Transport,

electrical, in As-Se glasses. 60-03496A
 fast ion, in oxide glasses. 60-01042A
 in solids. 60-02028B
 ionic, of vitreous Be fluoride. 60-01072A
 in melts, glass-forming, temp. and concentration dependence of. 60-03698A
 number, for Li ions in LiF-Li₂O-Al(PO₃)₃ glasses. 60-01190A
 of Na and K ions in two glasses 0.13($\text{Na}_2\text{O} + \text{K}_2\text{O}$)-0.87SiO₂. 60-04900A
 properties, of monoclinic rare earth oxides. 60-05732A
 thermo- and electro-, in fluorite oxides, measurement of. 60-05375A

Transport processes. See Diffusion; Ions; Kinetics; Resistivity, electrical; Viscosity.**Traps,**

electron, high-electric-field-generated, in oxide grown from Si. 60-05622A
 hole, in SiO₂, introduced by Cl. 60-02296A

Tricalcium. See Calcium, trv.**Tridymite,**

orthorhombic superstructure. 60-03144A
 thermal expansion. 60-03231A

Trituration. See Crushing; Grinding.**Tubes,**

Al_2O_3 , beta-, strength. 60-03203A
 transparent, for high pressure metal vapor lamps. 60-03757P
 Al_2O_3 -Cr₂O₃, thermocouple protecting. 60-00477P
 Braun, apparatus for producing. 60-03726P
 cathode, Pb-free glasses with high X-ray absorption for. 60-04949P
 ceramic, oxide, method and device for producing. 60-04135P
 conveying, taking the pneumatics out of. 60-04133A
 cutting of, laser. 60-02823P
 drawing of. 60-03711A

electron, pyrolytic graphite grids for, method of making. 60-02766P

glass, ampoules, method of making. 60-00347P
 electronic, height control. 60-02273A
 methods and apparatus for heating. 60-01278P
 process and apparatus for calibrating. 60-02437P
 laser, quartz, coaxial discharge sealed-off. 60-01583P
 plastic, glass fiber-reinforced, ultrasonic testing for defects. 60-03713A
 preform, optical fiber, method for exhausting. 60-04952P
 radiant, use in intermittent enameling furnaces. 60-04643A
 reactor, of CVD apparatus, temp. gradient means in. 60-04102P
 in recuperators, optimizing number and diameter of. 60-05463A

Tungstates,

CaWO_4 , thermodynamic properties. 60-03236A
 $\text{K}(\text{M},\text{W})_{1-x}\text{O}_{12}$, crystal chemistry, polymorphism, and dielectric properties. 60-05581A
 MWO_4 (M = Mg, Ca, Ba), needle crystals, effect of M ions on KCl flux growth. 60-04314A
 NiWO_4 , antiferromagnetic, magnetic anomalies during flip orientation. 60-04376A
 U-activated, with scheelite structure, luminescence of. 60-01922A
 alkali, with W oxide, enthalpies of mixing liquids on. 60-01895A
 alkaline, crystals, synthesis. 60-03215A

Tungsten,

$\text{-Al}_2\text{O}_3$, composite films, deposition by oxide evaporation. 60-01742A
 and CeO_2 mixtures, effect of Ar and N mediums during heating. 60-05605A
 K-, bronze, high-density, XRD and electrophysical study. 60-05741A
 WC, high-density parts, from powder, production. 60-01778A
 powder compacts. 60-01839P
 WC-Co , coatings, dc and rf sputtered, effect of bias on. 60-01523A
 WO_3 , films, effect of Au surface layer on electrochromic behavior. 60-02656A
 films, evaporated, mechanisms of electrical conductivity. 60-01546A
 powders, electrical properties. 60-01888A
 "WO₃", alpha-, all solid state electrochromic display based on. 60-02690A
 WSi₃, steam-oxidized, Auger sputter profiling. 60-03208A
 elongation of B on, during CVD, model for. 60-00721A
 oxidation, at high temp., method for inhibiting. 60-02229A
 oxide, mixed-valence, of divalent Sn, $\text{Sn}_2\text{W}_2\text{O}_{14}$, structure and stereoactivity. 60-05657A; 60-05658A
 removal of, from cemented WC. 60-03016P

Tunneling,

in $\text{Al-Al}_2\text{O}_3$ -SnTe structures. 60-01573A

Turbines,

aircraft, lasers, computers, and powder metallurgy improve quality. 60-02518A
 blades, composite ceramic/metallic, method of making. 60-02990P
 components, design. 60-02944A
 gas, behavior of plasma-sprayed thermal-barrier enamel for. 60-04597A
 design. 60-02956A
 role of heat exchangers in energy conservation. 60-02973A
 tests of NASA thermal barrier coatings for. 60-01791A
 ultrasonic inspection of ceramics for. 60-00714A
 for land vehicles, use of SiC and Si₃N₄ in. 60-01795A
 radial flow, use of Si₃N₄ nozzles. 60-02934A
 rotor, ceramic blade/metal, life prediction of. 60-00718A
 seal system for, sprayed. 60-02946A
 shrouds, reaction-bonded Si₃N₄, fracture behavior and strength. 60-05511A

Tuyeres. See Refractories.**Twinning, of crystals. See Crystals.****Ultrasonics. See Sound, ultrasonic.****Ultraviolet,**

fluorescence, in optical fibers and preforms. 60-03714A

Uranates,

energy transfer in, effect of crystal structure and composition. 60-02803A

Uranium. See Uranium, dioxide.**Uranium,**

-Pu-mixed carbides, method of making. 60-00615P
 $(\text{U}_x\text{Y}_{1-x})\text{O}_{2-x}\text{YSZ}$, interface, charge transfer across. 60-05734A
 $(\text{U,Pu})\text{O}_2$, mixed crystals, method of making. 60-01647P
 $(\text{U,Pu})\text{O}_{2+x}$, chemical diffusion of O in. 60-05355A
 (U,ThO) , burnup-simulated, chemical state at high O potential. 60-05356A
 U/ceramic oxide and C/ceramic oxide, interaction studies. 60-02811A
 UC and UCN, quenched in defects. 60-05383A
 $\text{UC} \pm x$, C diffusion in. 60-05353A
 UO_2 , Grueneisen parameter and lattice vibrational frequencies, temp. dependence. 60-01641A
 Nb_2O_5 -doped UO_2 , effect of O₂ potential. 60-04108A
 composition of lower phase boundary at 1950 K. 60-05387A
 crystal neutron-diffraction data, reanalysis. 60-02808A
 doped with Cr₂O₃, fission gas release and swelling. 60-05368A

electronic structure. 60-04109A
 grain growth. 60-05369A
 hot isostatic pressing. 60-05372A
 lattice distortion and quadrupolar ordering. 60-04115A
 mobility of gas bubbles in. 60-05378A
 mobility ratio, measurement of. 60-05374A
 pellets, from freeze-dried oxide microspheres. 60-01642A
 pellets, oxidation states, coulometric determination. 60-02800A
 powder compaction, study of external friction during. 60-02810A
 reflectivity and emissivity as function of wavelength and polarization. 60-02809A
 specific heat anomaly. 60-05388A
 spheres, preparation by internal gelation, flowsheet for. 60-02799A
 surface energy, determined by Hertzian indentation. 60-05391A
 thermal conductivity, effect of electronic and radiative contributions. 60-05385A
 thermodynamic properties. 60-05394A
 UO_{2+x} , sintered, pore shape and porosity factors for thermal conductivity. 60-02806A
 URu_2B_2 , crystal structure. 60-05360A
 USc , 60-03046A
 carbides, electrical resistivities. 60-02635A
 and nitrides, electronic structure and chemical bonds, scattered wave study. 60-03077A
 carboxylates, as starting compounds for oxide synthesis. 60-02798A
 deposits containing, field method for detecting. 60-00643P
 detection, by light-induced luminescence. 60-01685P
 selective, by laser-induced fluorescence. 60-04157A; 60-04158A
 determination, method for. 60-02867P
 enrichment, isotopic. 60-01646P
 leaching and restoration, clay stabilization in. 60-05489P
 liquid, solubility of O in. 60-05387A
 oxides, recovery by electrolysis. 60-00620P
 peroxide, apparatus for continuous precipitation. 60-05396P
 in pottery, Hueco and Guadalupe Indian, analysis. 60-00902A
 recovery, from radioactive wastes. 60-04124P
 self-diffusion, in UC doped with Y, Zr, La, or Ce. 60-05395A
 separation of iron from, method. 60-02813P
 and steel composites, process for casting. 60-01450P
 trace, analysis of semiconductor packages for. 60-05420A
 values from lignite, ferric leaching. 60-05397P

Vacuum tubes. See Tubes.**Values,**

high-temp., ceramic spring for. 60-00700A

Vanadates,

Bi, pigments, method of making. 60-02597P
 of Ca, interaction of V₂O₅ with. 60-03149A
 InVO_4 , structure. 60-05707A

Y₂O₃, excited states, spectroscopic study. 60-04328A

Vanadium,

(IV), in Pb silicate glass, EPR of. 60-03479A
 NaVO_2 , bronze, computation of electronic spectra. 60-01854A
 V^{2+} , absence of Jahn-Teller effect in excited state in MgO. 60-03025A
 V_2O_5 , catalyst, on TiO₂ substrate, method of making. 60-00753P
 films, deposited from gels, semiconducting properties. 60-02703A
 peculiarities of interaction with vanadates of Ca. 60-03149A
 V_2Ga , superconductors, method of making. 60-00576P
 V_2O_5 , magnetic properties, microscopic. 60-04370A
 V(VI) , bonding, in $\text{Na}_2\text{O} \cdot 2\text{B}_2\text{O}_3 \cdot \text{As}_2\text{O}_5$ glass. 60-00112A
 VC and VN, energy of chemical bonding. 60-01897A
 VO_2 , crystals, synthesis and properties. 60-04440A
 carbide-containing material, with low S content, process for making. 60-04257P
 in glasses, borate, thermodynamics of oxidation-reduction of. 60-00290A
 oxide, positive electrode, nonaqueous secondary cell using. 60-00589P

Vaporization,

Knudsen cell, of rare earth nitrides. 60-01918A
 of Na, during glassmelting, role of water vapor and S compounds. 60-03661A
 behavior, in $\text{Li}_2\text{O-Al}_2\text{O}_3$ system. 60-02012A
 processes, in $\text{Na}_2\text{O} \cdot \text{B}_2\text{O}_3 \cdot \text{GeO}_2$ glass-forming melts. 60-00205A

Vapors. See Gases; Water.**Varactors. See Diodes.****Varistors. See Resistors, electrical.****Velocity,**

elastic wave, in silicate glasses. 60-00287A
 of surface waves, in quartz, temp. dependence of. 60-05722A
 ultrasonic, measurements in $\text{Na} \beta\text{-Al}_2\text{O}_3$. 60-03123A

Vermiculite,

exfoliated, refractory sheet material containing. 60-05181P
 lamellas and solid particles, compositions. 60-05529P

Vibration,

casting, of large aluminosilicate refractories. 60-01367A

Vibrators,

crystal, quartz, subminiature, method for making. 60-01599P

- quartz, using Ni-Ag or Cr-Ni-Ag electrode layers. 60-04096P
- Viscosity.** See also *Density; Friction, internal; Solutions.*
of alloys, glass-forming, in system $\text{Na}_2\text{O}-\text{B}_2\text{O}_3-\text{SiO}_2$. 60-04906A
equilibrium, in alkali-free borate glasses, temp. dependence. 60-04892A
of glasses, $\text{Na}_2\text{O}-2\text{SiO}_2$, $\text{PbO}-2\text{B}_2\text{O}_3$, and $\text{CaO}-\text{P}_2\text{O}_5$, effect of water content on. 60-04725A
Pb borate, in transition region. 60-04905A
commercial, in transition region. 60-00295A
measurement by parallel plate technique. 60-03600A
quartz, effect of impurities of alkali metal and Al oxides on. 60-04689A
radioactive waste, method for measuring. 60-02843A
relation to crystallization capacity and chemical composition. 60-04852A
in system $\text{Na}_2\text{O}(\text{K}_2\text{O})-\text{CaO}-\text{Al}_2\text{O}_3-\text{SiO}_2$, relation to concentration. 60-04849A
of liquids, SiO_2 -rich, in system $\text{SiO}_2-\text{B}_2\text{O}_3$. 60-04463A
of melts, Pb borate glass-forming. 60-00280A
and glasses, in system $\text{As}-\text{S}$. 60-00294A
silicate and silicate-salt. 60-04907A
- Vitreous materials.**
low-temp. synthesis. 60-00339P
- Vitrification.**
of glasses, in system $\text{SiO}_2-\text{Al}_2\text{O}_3-\text{MgO}-\text{CaO}-\text{MnO}$. 60-00296A
processes, accompanying mullite formation in kaolin, limestone, and quartz mixture. 60-05735A
of kaolin-limestone mixtures. 60-05736A; 60-05737A
- Volatility.**
of Ca chlorides and fluorides, during production of cement clinkers. 60-04580A
- Voltage.**
development, in inhomogeneous piezoelectric quartz bar due to bending. 60-05303A
- Volume.**
free, of oxide glasses at transition temp. 60-03523A
of phosphate glasses. 60-01049A
molar, of water-containing aluminosilicate glasses. 60-01105A
specific, of Pb borate glass-forming melts. 60-00280A
- Wafers.**
method of slicing. 60-00583P
semiconductor, method of polishing. 60-04080P
stacked, apparatus for depositing materials on. 60-01574P
- Wastes.**
from Al_2O_3 production, cements based on. 60-04567A
high- Al_2O_3 cement based on. 60-04548A
 SiO_2 , development of chemically bonded SiO_2 bricks from. 60-05067A
from asbestos-cement products plant, apparatus for recycling. 60-00061P
cement, use as scrubbing medium for S oxides. 60-04584P
coal liquefaction residue, utilization of minerals from. 60-02218P
enameling, solid, method for handling. 60-02224A
fiber, and cullet collection process and apparatus. 60-02385P
from fuller's earth production, use to reduce plasticity. 60-05474A
glass, recycling, in Southern France. 60-03539A
recycling, new developments. 60-03620A
in glass industry, energy savings from recycling. 60-00154A
mica, use as source of K for plant growth. 60-01796A
municipal, method for recycling water use in recovering glass from. 60-04963P
nuclear, dissolution of intergranular amorphous phase in. 60-04116A
feasibility of solidifying. 60-05352A
high- Al_2O_3 tailored. 60-04112A
management. 60-03292B
mineral ceramics for long-term storage. 60-05377A
phase relations in system $\text{UO}_2-\text{CeO}_2-\text{ZrO}_2-\text{ThO}_2$. 60-05382A
relevance of irradiated and metamict materials to. 60-04114A
research at Penn State. 60-05379A
solvent, method of treating. 60-05402P
stabilities, and geochemical interactions in repositories. 60-05389A
treatment. 60-05406P
use of cement and concrete in management. 60-05354A
phthalic anhydride, use as thinning agent in cement slurries. 60-04578A
radioactive, apparatus for transferring. 60-04119P
disposal, implication of new irradiation effect. 60-02805A
ferrocyanide compounds, conversion to immobile glasses. 60-04121P
fixation in glass matrix. 60-00612P
glasses for. 60-00610A
method of reducing. 60-04124P
methods for consolidating. 60-02814P
storage materials for. 60-02807A
sludge, heavy metal, leach-resistant solid bodies from. 60-00060P
solid, municipal, recycling, in glass industry. 60-03555A
urban, incinerated, recovery of glass from. 60-01149A
recovery of glass from, by mineralogical processes. 60-00258A
separation of glass from. 60-00233A
use in structural clay industry, in the Netherlands. 60-00391A
water, in enameling industry, treatment procedures for. 60-03423A
- Water glass.** See *Sodium, silicate.*
- Water.** See also *Humidity; Hydration; Moisture; Steam; Vapors.*
adsorption, on SiO_2 . 60-03026A
in cement pastes, hydrated, photoacoustic study. 60-03372A
conservation, in whiteware industry. 60-03981A
/glass, reactions at high temp. and pressure. 60-01199A
permeability, in acid-resistant refractories. 60-05139A
photoelectrolysis, on semiconducting oxide electrodes. 60-00514A
treatment system, to prevent pollution by brick industry. 60-05038A
used for recovering glass from municipal wastes, method for recycling. 60-04963P
waste, in enameling industry, treatment procedures for. 60-03423A
- Waveguides.**
 $\text{Ga, In, As, P, InP}$, with Ga, 'In', 'As', 'P', 'side bounding layers. 60-01159A
 LiNbO_3 , and single-mode fibers, flip-chip coupling between. 60-02649A
Maxwell's equation, rigorous numerical solution to. 60-00263A
 Ti:LiNbO_3 , coupling of GaAlAs DH laser diode to. 60-00502A
channel, index measurements of. 60-02265A
single-mode, measuring coupling efficiency in. 60-00210A
fiber, fused SiO_2 , stress strength reduction and static fatigue. 60-00301A
film, microlenses for coupling fibers to. 60-01096A
gyromagnetic, YIG on GGG substrates, optical properties. 60-00512A
made by porous glass process, optical properties. 60-01117A
optical, with B_2O_3 -free core. 60-01248P
Fresnel lenses in. 60-02285A
Ge-Si quartz glass for. 60-04750A
Ge-doped SiO_2 -core, radiation response of. 60-00991A
 ZnO , as-sputtered, second harmonic generation in. 60-02699A
blank, system for delivering materials to deposition site. 60-01305P
channel branches, in Ti-diffused LiNbO_3 . 60-01119A
doped- SiO_2 , radiation effects. 60-03648A
drawing, using laser radiation. 60-03742P
effect in tempered glass sheets, measurement of surface stress by. 60-03630A
fabrication by diffusion of metals into glass. 60-03594A
fiber response to ionizing radiation. 60-03659A
fiber, optical absorption bands in. 60-00252A
fiber, with effective refractive index profile. 60-03795P
filaments, method of coating. 60-02419P
glass research for. 60-01054A
glass thin-film, reduction of scattering from, by CO_2 by laser annealing. 60-02334A
glasses, sintering of. 60-00267A
high bandwidth, method of making. 60-01249P
index profile distortion, stress-induced. 60-00276A
ir, growth of fiber crystals for. 60-00175A
method for drawing. 60-02416P
method of coupling selected modes. 60-01270P
method of forming. 60-01273P
method of making. 60-01284P
mfg. process. 60-01285P
mode scrambler. 60-01286P
monolithic, with plurality of cores. 60-00356P
multichannel, method for making. 60-04964P
multicomponent, with index gradient. 60-00357P
photoelastic channel, in GaAs layers. 60-02327A
planar, with metal oxide film. 60-00364P
preform for, method for preparing. 60-03773P
recovery of refractive-index profile from coupling angles. 60-00517A
sensitivity analysis of. 60-04040A
starting member, C coating for. 60-01220P
stress-optical effects in. 60-00277A
waisted-rib, in GaAs. 60-02720A
wavelength dispersion of. 60-00297A
- Waves.**
SAW, in YZ-LiNbO_3 , suppression of harmonic generations. 60-02715A
acoustic, surface, Pb K niobate substrate for. 60-00555P
elastic, velocity in silicate glasses, temp. and compositional variations. 60-00287A
micro-, fixed attenuator with mounting hole through Al_2O_3 substrate. 60-04063P
use for firing ceramics. 60-01698A
use to accelerate setting of castable refractories. 60-00397A
spin and magnetoelectric, in Y:FeO_3 , crystals during magnetic pumping, optical study. 60-04034A
surface, in quartz, temp. dependence of velocity. 60-05722A
- Wear.**
abrasive, of brittle solids. 60-00871A
of films, rf sputtered MoS_2 , parameter effects on. 60-01784A
of grinding belts, Al_2O_3 - and $\text{Al}_2\text{O}_3-\text{ZrO}_2$ -coated. 60-03298A
of linings, refractory, for steel converters. 60-00426A
refractory, in AOD process, measured by activated isotopes. 60-03893A
of materials, proprietary ceramic and metallic. 60-00710A
of refractories, for AOD converters. 60-01414A
in Mitsubishi process, effect of injection smelting. 60-01364A
in O converters, effect of gas composition. 60-01363A
blast furnace, effect of phase composition and structure. 60-01347A
effect of operational conditions. 60-05073A
in electric arc furnaces. 60-00421A
in electric arc furnaces, effect of operating parameters on. 60-01364A
by glass at high temps. 60-04847A
resistance, of TaN-ZrB₂-ZrN and TaN-ZrB₂-WC. 60-05508A
of coatings, detonation-deposited Cr-carbide-base. 60-01797A
of tar dolomite bricks, effect of C in. 60-01415A
-resistant, SiO_2 films, for magnetic recorders, process for making. 60-04094P
hard metal bodies, method of making. 60-01821P
theory of, frictional heating and oxidation. 60-01900A
of tiles, glazed floor, determination of. 60-00481A; 60-02581A; 60-03957A
- Weathering.**
of films, antireflection, on borosilicate glass. 60-00298A
- Weighing and weights.** See *Thermal analysis, gravimetry.*
- Welding.**
apparatus, with aligning mirror, for fiber optics. 60-03746P
materials, new types, study and development. 60-02230A
powder, granulation. 60-04616A
shield, protective glass for. 60-01279P
- Welding, electrodes.** See *Electrodes.*
- Wettability.**
of refractories, by glass at high temp. 60-04847A
- Wetting.**
of Al_2O_3 , by Cu alloyed with Ti and other elements. 60-00525A
of Si_3N_4 , by Si, use of Ti to enhance. 60-00735A
agents, soap, effect on properties of portland cement. 60-00024A
characteristics, of E-glass textile filaments. 60-01201A
of films, optimization. 60-04035A
of glasses, Fe-Na disilicate, kinetics. 60-04788A
- Whiskers.** See *Crystals and specific types.*
- Whiteware.** See also *Art and artware; Bodies, ceramic; Dielectrics; Dinnerware; Insulators, electrical; Porcelain; Pottery; Tile.*
Wedgwood, finishing touches at. 60-00485A
alloy, nonprecious, from Au refining. 60-02602P
application of color to, automatic, by banding, spraying, and other means. 60-01464A
articles. 60-01500P
brick industry, in South Africa. 60-01467A
casting, advantages of electrophoretic deposition. 60-02583A
slip, electrophoretic. 60-00493P
slip, mfg. method. 60-02603P
castings, improved technology from the U.K. 60-02577A
clay, handles, sponges for removing seams from. 60-03995P
colors, ceramic, history. 60-05192A
cordierite, high strength. 60-03987P
cup, decorated, method of making. 60-03992P
decal systems, color control in. 60-01472A
decorated, with eye of peacock's feather, made at Pisa factory of Lungarno Simonelli. 60-03950A
decoration of, automatic. 60-01465A
brown ceramic colors. 60-01468A
ceramic decals, basic principles. 60-01466A
having Au appearance. 60-03984P
method. 60-03991P
on-glaze, use of transfer pictures with. 60-01476A
transfers. 60-01507P
using computer graphics. 60-05198A
drying, energy optimization. 60-01474A
energy conservation, through proper selection of raw materials. 60-01497A
filter cake, drying of. 60-01506P
fired, production. 60-05240P
flat, isostatic dry pressing. 60-00487A; 60-00490A; 60-02594A
isostatic pressing of. 60-05215A
glass, Cr aventurin. 60-03952A
glaze quality, control of. 60-05209A
glazed. 60-03986P
decoratively. 60-02600P
glazes, ceramic, data bank. 60-01469A
frit-free. 60-05241P
grinding bodies, charge for. 60-01502P
hollow, machine application of ceramic decals. 60-01463A
method for casting in molds. 60-03990P
improving raw material mixtures, for jiggers. 60-05212A
industry, Au stripping operation by Collins. 60-03962A
Harrison Mayer's facilities for mfg. glazing and decorating products. 60-05214A
in U.K., outlook for. 60-05189A
color measurements. 60-03954A
continuing relations between Doccia factory and French porcelain factories. 60-03955A

design of kiln furniture. 60-01480A
 energy requirements and fuel efficiency. 60-00484A
 expansion of A. T. Finney & Sons bone china plant. 60-05208A
 fast firing, designing for. 60-01479A
 feeding of fast firing kilns. 60-02585A
 forming processes. 60-05195A
 hot molding, machinery for. 60-01481A
 modern trends in processing. 60-01483A
 mold making techniques. 60-05227A
 net production indicator, calculation of. 60-05224A
 optimization of mfg. procedures. 60-05219A
 plastic forming of tableware. 60-01484A
 pressing die for making molds from pulverulent mass. 60-05256P
 production improvements. 60-05210A
 use of robots. 60-01547A
 water economy. 60-03981A
 ironstone, English and American. 60-03257B
 laminate. 60-02599P
 majolica, produced at Stavropol plant. 60-03967A
 medallions, struck on terra cotta clays. 60-03969A
 melts, alkali and alkaline-earth, kinetics of mullite dissolution in. 60-03965A
 molding of. 60-05227A
 molds, microporous. 60-02601P
 muscovite and potash feldspar in, study of fluxing effect. 60-05194A
 panel, heat absorption. 60-02598P
 petalite, and spodumene, porous. 60-01486A
 pigments, Bi vanadate, method of making. 60-02597P
 ceramic, of willemite series, based on NiO, MnO, and FeO. 60-01470A
 inclusion. 60-01478A
 inorganic. 60-05251P
 low-toxicity, optical structural study. 60-02593A
 plastic masses, based on Al-Mg spinels, controlling the molding properties. 60-05197A
 plates, Delft porcelain, and their models. 60-03956A
 porcelain, calcined. 60-03983P
 porous, coating for. 60-05236P
 porous cup, for tensiometer developed at CGCRI. 60-05228A
 powders, self-vitrifying, compaction and firing, forming pressure effects. 60-02586A
 pressing of, isostatic, step toward complete automation. 60-01498A
 production, continuous and intermittent firing, advantages of. 60-00479A
 raw materials for, with decreased water absorption and gray color. 60-05234P
 shrink-free, method and raw batch for making. 60-03994P
 sintering, role of feldspar. 60-05226A
 substrate. 60-05235P
 suspensions, dewatering. 60-01503P
 tableware, fabrication. 60-05195A
 metal release from. 60-01482A
 production in Ecuador. 60-01493A
 tiles, in Europe, effect of fashion on color schemes. 60-02578A
 translucent, application of Kubelka-Munk theory to. 60-02576A
 triaxial, reformulation, use of linear programming. 60-01495A
 trimmer, for cup handle. 60-00495P
 utensils. 60-01501P
 from zircon, plasma-dissociated, characterization of. 60-03951A
Windows. See *Glass*.
Windshields. See *Glass*.
Wire,
 Pt-Rh, use of $\text{La}_{0.8}\text{Sr}_{0.2}\text{CrO}_3$ as substitute. 60-05293A
 tying, process for forming silicate coating on. 60-02238P
Wire, welding. See *Welding*.
Wollastonite,
 Ca in, replacement by Sr, electron microscope study. 60-01967A
 in porcelain, effect on structure and properties. 60-05204A
 -pseudowollastonite, phase transformation. 60-03246A
 synthetic. 60-02912A
Wustite,
 (Mg,Fe)O, Fe diffusion and electrical conductivity. 60-03116A
 power measurements in, high-temp. thermoelectric. 60-05625A
 quenched, thermoelectric power, measurement. 60-04029A
 solid solutions, diversity and complexity. 60-04302A;
 60-04303A
 thermoelectric power, time relaxation of. 60-03238A

Young's modulus. See *Elasticity*.

Ytterbia. See *Ytterbium, oxide*.

Yttria. See *Yttrium, oxide*.

Yttrium,

$\text{Si}_3\text{N}_4\text{-Y}_2\text{O}_3\text{-SiO}_2$, use for machining cast iron. 60-00755P
 Y_2O_3 , and MgO, sintering of Si_3N_4 containing. 60-00729A
 antireflective coating for solar cells. 60-02796P
 black sintered bodies, properties of. 60-04401A
 electroinsulating materials based on. 60-02636A
 fused, structure. 60-01986A
 sintered bodies, refractive and reflective indices. 60-04413A
 sintering, solid second-phase. 60-01858A
 Y₂O₃, identification. 60-04113A
 Y₂Al₂O₇, crystals, growth from solution-melts, kinetics of. 60-01917A
 crystals, growth mechanism. 60-01978A
 YAG, and YAlO₃, melting behavior and metastability, thermal analysis. 60-00510A
 orthovanadate, excited states, spectroscopic study. 60-04328A

Zeolites,

AW500, synthetic, adsorption of CO₂ on. 60-05499A
 aluminosilicate, catalyst, steam stable, method of making. 60-01819P
 catalysts, for NO, reduction with NH₃, evaluation of. 60-02947A
 method of making. 60-03023P
 composites, method of making. 60-01841P
 compositions, preparation and use. 60-04253P
 with controlled particle size, method of making. 60-01820F
 crystalline, synthesis and use. 60-02996P
 synthetic, process for making. 60-01838P
 as media, for selective catalysis. 60-00736A
 molecular sieve, faujasite-type, ion-exchange and catalytic activity. 60-05519A
 molecular sieve solubility, in aqueous system, technique to reduce. 60-03020P
 molecular sieves, synthesis and application. 60-05521A
 production, and product uses. 60-04190A
 sieves, molecular, from SiO₂ containing flue dust. 60-00759P
 synthetic, in alkali metal forms, kinetics of dehydration. 60-05514A
 clay-bonded, relation between strength and expansion-shrinkage behavior. 60-05518A
 type A, process for preparation from kaolin. 60-05546P
 zeolite Y, method of producing. 60-04252P

Zinc,

and Cd hydroxylfluorides, crystal structure. 60-01864A
 ZnO, as-sputtered optical waveguide, second harmonic generation in. 60-02699A
 containing Bi₂O₃, sintering and varistor characteristics. 60-05291A
 crystals with intermediate layer of metal oxides, varistor model. 60-05304A
 highly oriented films, grown by oxidation of diethylzinc. 60-02651A
 low-energy-electron-diffraction intensities, calculation of. 60-03038A
 nonohmic, degradation mechanism. 60-02620A
 piezoelectric crystalline film, method of making. 60-00593P; 60-01621P
 piezoelectric films, deposition by magnetron sputtering. 60-02648A
 sputtered films on sapphire, structure and SAW properties. 60-02714A
 varistors, conduction mechanism in. 60-05267A
 ZnO on Si, SAW resonators. 60-02723A
 ZnO-Al₂O₃, mixture, reaction sintering. 60-04410A
 ZnO-absorbing p-type and n-type dyes, effect of illumination on surface potential. 60-04020A
 ZnO-grain-boundary-ZnO, junctions in varistors, semi-conducting properties. 60-02702A
 ZnS, ZnSe, and their mixed compounds, LPE growth using Te as solvent. 60-02667A
 and ZnSe, epitaxial layers on F, kinetics of growth. 60-01543A
 electroluminescent films, heat treatment. 60-02644A
 films, on glass substrates, condensation and stability. 60-02615A
 slag glass opacified with. 60-00268A
 static indentations, size relations for. 60-03122A
 ZnSe, and ZnS, epitaxial layers on F, kinetics of growth. 60-01543A
 anharmonic temp. factors, XRD determination. 60-05556A

ZnTe, films, growth on ceramic substrate. 60-04016A
 ZnWO₄, crystals, scintillation study. 60-03185A
 compounds, effects on hydration hardening of mineral binders. 60-03351A
 diffusion, into GaAs. 60-02724A
 stearate, effect on properties of Fe powder compacts. 60-04208A

Zircon. See also *Refractories*; *Zirconium, silicate*.

-corundum, refractories, effect of glassy phase on properties. 60-05091A
 plasma dissociated, in system ZrO₂-SiO₂, microstructure. 60-00812A
 plasma-dissociated, characterization of ceramic bodies made from. 60-03951A
 -pyrophyllite, refractories, for steel ladles. 60-01416A
 refractories, high-density. 60-01358A
 sintered, from Indian zircon sands. 60-05069A

Zirconates,

Ca, process for making Zr oxide from. 60-02924P
 Ca, Sr, and Ba, sintering. 60-03193A
 Pb, with additions of Ti and Ge, ferroelectric-antiferroelectric. 60-01899A

Zirconia. See *Zirconium, dioxide*.

Zirconium,

and Ti, ion nitriding by dc glow discharge. 60-01914A
 Zr₃In₂O₇, ionic conductivity of. 60-03114A
 Zr₂Y₂O₇, neutron diffraction study. 60-01931A
 ZrC, powders, impurities in. 60-01756A
 ZrC-ZrB₂, system, thermal conductivity and diffusivity of binary alloys of. 60-04451A
 ZrF₄-based glasses, electrical transport properties. 60-00148A
 ZrO₂, CaO-partially stabilized, high-temp. electrical conductivity. 60-05624A
 Y₂O₃-stabilized, agglomerate and particle size effects on sintering. 60-01842A
 Y₂O₃-stabilized, preparation by high-temp. hydrolysis. 60-03169A
 abrasives, in chilled-cast Al₂O₃-ZrO₂. 60-00005A
 alkali-resistant glass containing, effect of minute components on melting. 60-00186A
 ceramics containing, grinding-induced tempering. 60-00798A
 chlorination kinetics in plasma tail flame. 60-02942A
 effect on sintering, structure, and properties of aluminosilicate refractories. 60-05071A
 electrical conductivity. 60-05273A
 enthalpy and heat capacity. 60-04325A
 films, modified doctor blade fabrication. 60-02641A
 fired and unfired refractories. 60-01352A
 gels, thermal and related studies. 60-04450A
 high-pressure phases. 60-03132A
 metastable tetragonal, in glass-ceramic system Al₂O₃-ZrO₂-SiO₂-Na₂O, structural study. 60-01172A
 partially stabilized ceramics. 60-05541P
 partially stabilized subcritical crack growth in. 60-01989A
 partially stabilized, fracture surface energy and thermal shock. 60-03090A
 partially stabilized, mode of deformation in. 60-04371A
 powders, characterization. 60-02940A
 refractories, use in steelmaking. 60-01413A
 refractories, with granular texture, effect of heat treatment on properties. 60-00415A
 sintered, for O sensors. 60-00603P
 stabilized refractories, effect of additives on decomposition. 60-00412A
 tetragonal, ceramics containing, transformation depths in. 60-04466A
 tetragonal, electrical conductivity below transformation temp. 60-04008A
 thermal expansion. 60-02935A
 transformation-toughened, crack branching. 60-05578A
 ZrO₂ (Y₂O₃), thermal barrier coating, stability in turbine fuel. 60-02233A
 ZrO₂-SiO₂, system, microstructure of dissociated zircon and immiscibility. 60-00812A
 xerogels, catalysts, method of making. 60-03008P
 ZrO₂-based polishing composition. 60-04494P
 ZrO₂-containing, catalysts. 60-03024P
 compounds, effect on quality of sintered magnesite obtained from dolomitic magnesite. 60-03883A
 molten, identification of materials for service. 60-02517A
 nitrate-pentahydrate, ir spectra of zeolite AW500 and its cation-exchange behavior. 60-05499A
 oxide, from technical Ca zirconate, process for making. 60-02924P
 silicate, synthesis in presence of mineralizers. 60-02017A
Zirconium, silicate. See *Zircon*.

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1981

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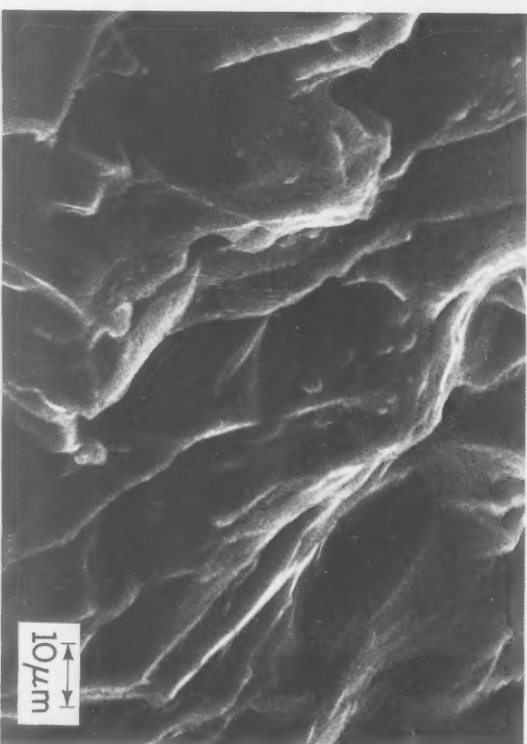
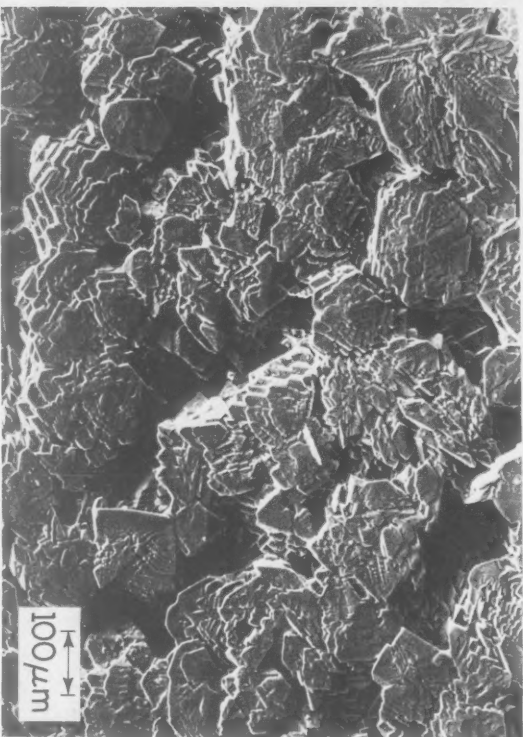
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Year		President Installed	Vice President
1899	Columbus, Ohio	H. A. Wheeler (gen)	Ernest Mayer
1900	Detroit, Mich.	Karl Langenbeck (gen)	C. F. Binns
1901	Old Point Comfort	C. F. Binns (art)	Ernest Mayer
1902	Cleveland, Ohio	Ernest Mayer (W)	F. W. Walker, Sr.
1903	Boston, Mass.	E. C. Stover (W)	Heinrich Ries
1904	Cincinnati, Ohio	F. W. Walker, Sr. (W)	A. V. Bleining
1905	Birmingham, Ala.	W. D. Gates (terra cotta)	Ellis Lovejoy
1906	Philadelphia, Pa.	W. D. Richardson (S)	Samuel Geijsbeek
1907	St. Louis, Mo.	S. G. Burt (art)	R. C. Purdy
1908	Columbus, Ohio	A. V. Bleining (W)	Charles Weelans
1909	Rochester, N. Y.	R. C. Purdy (gen)	A. S. Watts
1910	Pittsburgh, Pa.	Heinrich Ries (gen)	R. R. Hice
1911	Trenton, N. J.	Charles Weelans (W)	L. E. Barringer
1912	Chicago, Ill.	A. S. Watts (gen)	C. W. Parmelee
1913	Washington, D. C.	Ellis Lovejoy (S)	A. F. Hottinger
1914	Wheeling, W. Va.	C. W. Parmelee (gen)	D. T. Farnham
1915	Detroit, Mich.	R. R. Hice (S)	R. T. Stull
1916	Cleveland, Ohio	L. E. Barringer (W)	F. K. Pence
1917	New York, N. Y.	G. H. Brown (gen)	C. E. Jackson
1918	Indianapolis, Ind.	H. F. Staley (C)	A. F. Greaves-Walker
1919	Pittsburgh, Pa.	R. T. Stull (S)	R. H. Minton
1920	Philadelphia, Pa.	R. H. Minton (W)	E. T. Montgomery
1921	Columbus, Ohio	F. K. Pence (W)	F. B. Orman
1922	St. Louis, Mo.	F. H. Riddle (W)	E. Ward Tillotson
1923	Pittsburgh, Pa.	A. F. Greaves-Walker (R)	R. D. Landrum
1924	Atlantic City, N. J.	R. D. Landrum (C)	R. M. Howe and August Staudt
1925	Columbus, Ohio	E. Ward Tillotson (G)	F. H. Rhead
1926	Atlanta, Ga.	R. L. Clare (terra cotta)	B. Mifflin Hood
1927	Detroit, Mich.	B. Mifflin Hood (S)	M. C. Booze
1928	Atlantic City, N. J.	M. C. Booze (R)	R. R. Danielson
1929	Chicago, Ill.	G. A. Bole (gen)	F. A. Harvey
1930	Toronto, Canada	Edward Orton, Jr. (gen)	P. E. Cox
1931	Cleveland, Ohio	E. V. Eskesen (terra cotta)	Alexander Silverman
1932	Washington, D. C.	E. P. Poste (C)	W. Keith McAfee
1933	Pittsburgh, Pa.	J. C. Hostetter (G)	L. J. Trostel, Sr.
1934	Cincinnati, Ohio	W. Keith McAfee (W)	J. M. McKinley
1935	Buffalo, N. Y.	J. M. McKinley (R)	F. C. Flint
1936	Columbus, Ohio	F. C. Flint (G)	R. B. Sosman
1937	New York, N. Y.	R. B. Sosman (R)	V. V. Kelsey
1938	New Orleans, La.	V. V. Kelsey (M)	A. I. Andrews
1939	Chicago, Ill.	A. I. Andrews (C)	J. L. Carruthers
1940	Toronto, Canada	J. L. Carruthers (terra cotta)	J. T. Littleton
1941	Baltimore, Md.	J. T. Littleton (G)	P. D. Helser
1942	Cincinnati, Ohio	L. J. Trostel, Sr. (R)	M. E. Holmes
1943	Pittsburgh, Pa.	C. E. Bales (R)	E. H. Fritz
1944	Pittsburgh, Pa.	E. H. Fritz (W)	C. Forrest Tefft
1945	Buffalo, N. Y.	C. Forrest Tefft (S)	J. E. Hansen
1946	Buffalo, N. Y.	J. E. Hansen (C)	J. D. Sullivan
1947	Atlantic City, N. J.	J. D. Sullivan (R)	J. W. Whittemore
1948	Chicago, Ill.	J. W. Whittemore (gen)	H. M. Kraner
1949	Cincinnati, Ohio	H. M. Kraner (R)	Howells Frechette, A. L. Bennett, Robert Twells
1950	New York, N. Y.	J. W. Hepplewhite (W)	Aaron K. Lyle, Hewitt Wilson, T. A. Klinefelter
1951	Chicago, Ill.	Howard R. Lillie (G)	Probert W. Dager, Ray W. Pafford, Arthur A. Wells
1952	Pittsburgh, Pa.	W. Edward Cramer (W)	Victor C. Swicker, Harry H. Holscher, H. B. DuBois
1953	New York, N. Y.	R. R. Danielson (C)	J. E. Eagle, Joseph A. Pask, S. M. Swain
1954	Chicago, Ill.	Ray W. Pafford (S)	William O. Brandt, John F. McMahon, Rolland R. Roup
1955	Cincinnati, Ohio	Robert Twells (W)	R. S. Bradley, John H. Isenhour, Kenneth C. Lyon
1956	New York, N. Y.	Karl Schwartzwalder (W)	Oscar G. Burch, Louis Navias, C. W. Planje
1957	Dallas, Texas	John F. McMahon (gen)	Wayne A. Deringer, Clarence H. Hahner, J. S. Nurdyke
1958	Pittsburgh, Pa.	R. S. Bradley (R)	W. W. Coates, Harry E. Davis, Herbert Insley
1959	Chicago, Ill.	Oscar G. Burch (G)	J. J. Canfield, John H. Koenig, James I. Mueller
1960	Philadelphia, Pa.	George H. Spencer-Strong (C)	Eugene C. Clemens, Frederick H. Norton, Andrew Pereny
1961	Toronto, Canada	John S. Nurdyke (M)	V. J. Duplin, Leonard G. Ghering, Elroy E. Howe
1962	New York, N. Y.	John H. Koenig (E)	W. W. Gaskins, Frank Jansma, E. F. Osborn
1963	Pittsburgh, Pa.	Paul V. Johnson (S)	H. P. Bonebrake, Clair R. Oberst, James S. Owens
1964	Chicago, Ill.	Elburt F. Osborn (B)	R. R. Rhodes, G. J. Middleton, W. J. Smothers
1965	Philadelphia, Pa.	Howard P. Bonebrake (M)	R. E. Birch, L. S. O'Bannon, A. E. R. Westman
1966	Washington, D. C.	George J. Bair (G)	Arthur J. Blume, Edward C. Henry, Harry W. Thiemecke
1967	New York, N. Y.	James S. Owens (W)	Howard F. McMurdie, Alfred W. Allen, J. Earl Frazier
1968	Chicago, Ill.	Loran S. O'Bannon (C)	Clarence L. Babcock, Lane Mitchell, Theodore J. M. Planje
1969	Washington, D. C.	Arthur J. Blume (S)	William W. Coffeen, Scroop W. Enloe, Jr., J. O. Everhart
1970	Philadelphia, Pa.	J. Earl Frazier (G)	Eugene E. Bryant, Richard M. Fulrath, Ralph L. Gibson
1971	Chicago, Ill.	William J. Smothers (R)	James R. Johnson, Robert S. Sinclair, Stephen D. Stoddard
1972	Washington, D. C.	T. J. Planje (R)	Joseph E. Burke, Robert S. Du Fresno, William R. Prindle
1973	Cincinnati, Ohio	James R. Johnson (B)	Lyle A. Holmes, Walter W. Perkins, Merton L. Van Dreser
1974	Chicago, Ill.	Joseph E. Burke (B)	William J. Knapp, Malcolm G. McLaren, Haydn H. Murray, Basil G. Staples, Franklin M. Townsend
1975	Washington, D. C.	Ralston Russell, Jr. (W)	Sherwood E. Patek, John A. Stewart, O. J. Whittemore, Jr.
1976	Cincinnati, Ohio	Stephen D. Stoddard (N)	Gordon L. Barna, Seymour L. Blum, Winston Duckworth
1977	Chicago, Ill.	Lyle A. Holmes (M)	William C. Mohr, Guy E. Rindone, Ronald R. Roup
1978	Detroit, Mich.	John B. Wachtman, Jr. (B)	A. Josephine Gitter, Milan Yukovich, James C. Waldal
1979	Cincinnati, Ohio	Malcolm G. McLaren (W)	J. Lambert Bates, Robert H. Insley, William R. Jacoby
1980	Chicago, Ill.	William R. Prindle (G)	Stephen C. Carniglia, Gilbert Goodman, Charles R. Kurkjian
1981	Washington, D.C.	James I. Mueller (C)	Geoffrey J. C. Frohnsdorff, William Payne, Edwin Ruh, and Murray A. Schwartz

Laser Melted Oxynitride Surfaces



Laser-melted (10 kW, continuous-wave CO₂ laser) and rapidly solidified oxynitride compositions show development of possible noncrystalline phases as indicated in the above scanning electron micrographs. The SEM of the laser-melted surface (left photo) suggests selective vaporization while the fracture surface morphology (right photo) is indicative of a glassy material.

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